# 12.0 APPENDICES

# APPENDIX A

# SAMPLING PROCEDURES AND FIELD DATA SHEETS

•CHANG ENVIRONMENTAL•

# WELL GAUGING FORM
## Chiquita Canyon Landfill

Project No. CCL-01 Field Personnel: P. Chang Date: 1/9/25

| Well Id | Date | Time of Reading | Depth to Water (ft) | Total Depth (ft) | Comments | Well Id | Date | Time of Reading | Depth to Water (ft) | Total Depth (ft) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DW-1 | 1/9/25 | 9:59 | 56.75 | | | DW-29 | 1/9/25 | 9:24 | 55.87 | | |
| DW-3 | 1/9/25 | 11:10 | 90.49 | | | DW-30 | 1/9/25 | 10:08 | 140.72 | | |
| DW-7 | 1/9/25 | 9:45 | 33.57 | | | DW-31 | 1/9/25 | 9:32 | 59.64 | | |
| DW-8 | 1/9/25 | 8:43 | 179.21 | | | PZ-3 | 1/9/25 | 11:20 | 71.51 | | |
| DW-9 | 1/9/25 | 9:15 | 233.19 | | | PZ-4 | 1/9/25 | 11:14 | 73.96 | | |
| DW-12 | 1/9/25 | 9:40 | 104.88 | | | PZ-5 | 1/9/25 | 12:20 | 74.77 | | |
| DW-14 | 1/9/25 | 11:04 | 219.01 | | | PZ-6 | 1/9/25 | 11:39 | 88.08 | | |
| DW-15 | 1/9/25 | 10:14 | 140.73 | | | PZ-7 | 1/9/25 | 11:33 | 127.41 | | |
| DW-16 | 1/9/25 | 10:37 | 182.97 | | | GP-15 115' | 1/9/25 | 8:53 | DRY | 115.0 | |
| DW-17 | 1/9/25 | 10:43 | 141.97 | | | GP-16 255' | 1/9/25 | 9:04 | 253.65 | | |
| DW-18 | 1/9/25 | 9:51 | 63.74 | | | GP-17 235' | 1/9/25 | 9:10 | 215.98 | | |
| DW-21 | 1/9/25 | 9:56 | 66.13 | | | GP-21 232' | 1/9/25 | 10:28 | 233.48 | | |
| DW-23 | 1/9/25 | 11:58 | 346.68 | | | GP-22 305' | 1/9/25 | 10:52 | 280.66 | | |
| DW-24 | 1/9/25 | 11:46 | 235.12 | | | GP-24 70' | 1/9/25 | 12:07 | 40.51 | | |
| DW-26 | 1/9/25 | 11:25 | 96.83 | | | GP-25 80' | 1/9/25 | 12:13 | 77.59 | | |
| DW-28 | 1/9/25 | 8:31 | 333.11 | | | GP-26 255' | 1/9/25 | 8:17 | 216.93 | | |

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-1

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/16/25

Initial DTW (Date/Time): 56.75 (1/9/25 959) Syst. Vol: **1217** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **50** (psi) Flow: **920** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1045 | 56.86 | 400 |
| Adjust Purging: | 1047 | 57.16 | 350 (4 min) |
| Begin Scan: | 1051 | 57.24 | 340 |
| Complete Scan: | 1103 | 57.29 | 340 |
| Collect Samples: | 1106 | | |
| Complete Samples: | 1119 | 57.28 | 300 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.91 | 1.47 | 2.58 | 6.78 | 434 | 16.8 | |
| 2:00 | 22.44 | 1.39 | 1.79 | 6.89 | 425 | 26.3 | |
| 4:00 | 22.74 | 1.38 | 1.47 | 6.99 | 418 | 30.5 | |
| 6:00 | 22.82 | 1.37 | 1.36 | 7.03 | 415 | 30.3 | |
| 8:00 | 22.84 | 1.37 | 1.29 | 7.11 | 411 | 28.0 | |
| 10:00 | 22.95 | 1.37 | 1.23 | 7.17 | 409 | 24.8 | |
| 12:00 | 22.97 | 1.37 | 1.20 | 7.20 | 407 | 22.4 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-3

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/16/25

Initial DTW (Date/Time): 90.49 (1/9/25 1110) Syst. Vol: **1549** (ml)

**Initial Setup:** Controller ID: **72** Pressure: **75** (psi) Flow: **700** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1238 | 90.32 | 360 (5 min) |
| Adjust Purging: | — | — | — |
| Begin Scan: | 1243 | 90.54 | 360 |
| Complete Scan: | 1253 | 90.55 | 330 |
| Collect Samples: | 1256 | | |
| Complete Samples: | 1309 | 90.53 | 300 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.34 | 0.824 | 5.25 | 7.55 | 391 | 141 | |
| 2:00 | 22.21 | 0.766 | 3.59 | 7.47 | 396 | 20.4 | |
| 4:00 | 21.96 | 0.755 | 3.10 | 7.41 | 397 | 0.0 | |
| 6:00 | 21.89 | 0.738 | 2.67 | 7.35 | 398 | 33.6 | |
| 8:00 | 22.07 | 0.735 | 2.68 | 7.32 | 398 | 0.0 | |
| 10:00 | 22.11 | 0.736 | 2.59 | 7.31 | 399 | 0.0 | |
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# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-7

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/14/25

Initial DTW (Date/Time): 33.57 (1/9/25 9:45) Syst. Vol: 866 (ml)

**Initial Setup:** Controller ID: 10272 Pressure: 35 (psi) Flow: 450 (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 957 | 33.81 | 620 |
| Adjust Purging: | 959 | 34.02 | 300 (3 min) |
| Begin Scan: | 1002 | 34.02 | 280 |
| Complete Scan: | 1012 | 33.98 | 300 |
| Collect Samples: | 1015 | | |
| Complete Samples: | 1031 | 33.99 | 260 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.42 | 1.72 | 6.69 | 7.41 | 405 | 38.1 | |
| 2:00 | 20.37 | 1.78 | 4.37 | 7.45 | 401 | 31.1 | |
| 4:00 | 20.83 | 1.80 | 3.61 | 7.49 | 399 | 36.4 | |
| 6:00 | 20.94 | 1.81 | 3.21 | 7.54 | 397 | 38.8 | |
| 8:00 | 21.16 | 1.82 | 3.10 | 7.57 | 396 | 38.9 | |
| 10:00 | 21.12 | 1.82 | 3.06 | 7.59 | 395 | 37.4 | |
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# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-8

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/13/25

Initial DTW (Date/Time): 179.21 (1/9/25 843) Syst. Vol: **3036** (ml)

**Initial Setup:** Controller ID: **82** Pressure: **145** (psi) Flow: **225** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1008 | 181.18 | 320 |
| Adjust Purging: | 1012 | 181.45 | 220 (4 min) |
| Begin Scan: | 1026 | 182.16 | 220 |
| Complete Scan: | 1034 | 182.54 | 220 |
| Collect Samples: | 1038 | | |
| Complete Samples: | 1057 | 183.30 | 210 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.09 | 4.99 | 2.16 | 6.76 | 376 | 0.0 | |
| 2:00 | 21.07 | 4.99 | 2.06 | 6.65 | 373 | 0.0 | |
| 4:00 | 21.08 | 4.99 | 1.87 | 6.68 | 369 | 0.0 | |
| 6:00 | 21.10 | 4.98 | 1.83 | 6.67 | 365 | 0.0 | |
| 8:00 | 21.09 | 4.98 | 1.77 | 6.65 | 361 | 0.0 | |
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# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-9

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/13/25

Initial DTW (Date/Time): 233.19 (1/9/25 915) Syst. Vol: **2860** (ml)

**Initial Setup:** Controller ID: **81** Pressure: **140**(psi)(psi) Flow: **180** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1123 | 233.29 | 360 | |
| Adjust Purging: | 1128 | 233.57 | 180 | (16 min) |
| Begin Scan: | 1144 | 233.61 | 170 | |
| Complete Scan: | 1150 | 233.65 | 170 | |
| Collect Samples: | 1154 | | | |
| Complete Samples: | 1218 | 233.64 | 155 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.27 | 2.05 | 3.63 | 7.29 | 284 | 12.5 | |
| 2:00 | 20.33 | 2.04 | 3.57 | 7.37 | 285 | 11.8 | |
| 4:00 | 20.44 | 2.04 | 3.55 | 7.43 | 288 | 10.5 | |
| 6:00 | 20.32 | 2.05 | 3.47 | 7.45 | 291 | 9.7 | |
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# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-12

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/14/25

Initial DTW (Date/Time): 104.88 (1/9/25 940) Syst. Vol: **1543** (ml)

**Initial Setup:** Controller ID: **105** Pressure: **65** (psi) Flow: **210** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 852 | 105.06 | 380 |
| Adjust Purging: | 854 | 105.17 | 210 (8 min) |
| Begin Scan: | 902 | 105.30 | 200 |
| Complete Scan: | 910 | 105.36 | 200 |
| Collect Samples: | 913 | QCFB: 915 | |
| Complete Samples: | 939 | 105.46 | 170 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.30 | 1.64 | 6.80 | 7.82 | 364 | 74.2 | |
| 2:00 | 19.82 | 1.62 | 6.40 | 7.66 | 383 | 79.1 | |
| 4:00 | 20.06 | 1.62 | 6.23 | 7.57 | 391 | 80.7 | |
| 6:00 | 20.25 | 1.62 | 6.36 | 7.52 | 395 | 81.7 | |
| 8:00 | 20.21 | 1.61 | 6.24 | 7.49 | 399 | 83.2 | |
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# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-14

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/15/25

Initial DTW (Date/Time): 219.01 (1/9/25 1104) Syst. Vol: **2816** (ml)

**Initial Setup:** Controller ID: **78** Pressure: **135** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1013 | 219.16 | ~~300~~ |
| Adjust Purging: | 1016 | 219.42 | 150 (1.5 L/min) |
| Begin Scan: | 1035 | 220.25 | 150 |
| Complete Scan: | 1049 | 220.63 | 150 |
| Collect Samples: | 1052 | | |
| Complete Samples: | 1120 | 221.15 | 140 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 18.44 | 0.742 | 4.10 | 7.42 | 421 | 23.7 | |
| 2:00 | 18.51 | 0.742 | 3.90 | 7.53 | 414 | 20.5 | |
| 4:00 | 18.45 | 0.744 | 3.52 | 7.71 | 405 | 15.2 | |
| 6:00 | 18.43 | 0.746 | 3.29 | 7.81 | 401 | 11.2 | |
| 8:00 | 18.45 | 0.748 | 3.03 | 7.94 | 395 | 9.3 | |
| 10:00 | 18.49 | 0.748 | 2.91 | 7.98 | 393 | 8.6 | |
| 12:00 | 18.45 | 0.749 | 2.71 | 8.03 | 392 | 7.5 | |
| 14:00 | 18.48 | 0.749 | 2.79 | 8.05 | 390 | 7.5 | |
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**Wellhead Inspection:**

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# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-15

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/15/25

Initial DTW (Date/Time): 140.73 (1/9/25 1014) Syst. Vol: **1781** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **90** (psi) Flow: **600** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1238 | 140.76 | 410 |
| Adjust Purging: | 1239 | 140.85 | 250 (7 min) |
| Begin Scan: | 1246 | 140.87 | 250 |
| Complete Scan: | 1256 | 140.89 | 250 |
| Collect Samples: | 1259 | QCPB: 1302 | |
| Complete Samples: | 1316 | 140.89 | 250 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.99 | 2.95 | 1.90 | 6.79 | 437 | 11.5 | |
| 2:00 | 23.18 | 3.03 | 1.59 | 6.75 | 439 | 10.8 | |
| 4:00 | 23.35 | 3.06 | 1.43 | 6.77 | 436 | 9.8 | |
| 6:00 | 23.53 | 3.06 | 1.27 | 6.80 | 431 | 8.6 | |
| 8:00 | 23.56 | 3.06 | 1.20 | 6.87 | 424 | 7.6 | |
| 10:00 | 23.61 | 3.05 | 1.16 | 6.88 | 418 | 6.6 | |
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**Wellhead Inspection:**

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# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-16

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/16/25

Initial DTW (Date/Time): 182.97 (1/9/25 1037) Syst. Vol: **2363** (ml)

**Initial Setup:** Controller ID: ~~107~~ 78 Pressure: **120** (psi) Flow: **520** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1136 | 182.83 | 525 | |
| Adjust Purging: | 1138 | 182.93 | 350 | (7 min) |
| Begin Scan: | 1145 | 182.91 | 340 | |
| Complete Scan: | 1157 | 182.91 | 340 | |
| Collect Samples: | 1200 | | | |
| Complete Samples: | 1212 | 182.91 | 300 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 24.21 | 1.23 | 2.90 | 7.26 | 388 | 7.7 | |
| 2:00 | 24.15 | 1.24 | 2.16 | 7.42 | 380 | 6.5 | |
| 4:00 | 24.12 | 1.25 | 1.91 | 7.53 | 375 | 5.6 | |
| 6:00 | 24.09 | 1.25 | 1.72 | 7.64 | 370 | 3.5 | |
| 8:00 | 24.12 | 1.25 | 1.60 | 7.70 | 368 | 0.0 | |
| 10:00 | 24.13 | 1.25 | 1.54 | 7.76 | 366 | 0.0 | |
| 12:00 | 24.16 | 1.25 | 1.47 | 7.79 | 364 | 0.0 | |
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# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-17

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/15/25

Initial DTW (Date/Time): 141.97 (1/9/25 1043) Syst. Vol: **2227** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **110** (psi) Flow: **130** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 848 | 142.05 | 300 |
| Adjust Purging: | 851 | 142.21 | 115 (20 min) |
| Begin Scan: | 911 | 142.53 | 115 |
| Complete Scan: | 919 | 142.59 | 120 |
| Collect Samples: | 922 | | |
| Complete Samples: | 953 | 142.66 | 130 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 18.06 | 1.25 | 5.16 | 7.82 | 389 | 40.7 | |
| 2:00 | 18.10 | 1.25 | 4.59 | 7.95 | 384 | 37.5 | |
| 4:00 | 18.13 | 1.25 | 4.25 | 8.03 | 381 | 33.4 | |
| 6:00 | 18.39 | 1.25 | 4.06 | 8.08 | 379 | 31.0 | |
| 8:00 | 18.14 | 1.25 | 4.11 | 8.11 | 378 | 29.2 | |
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**Wellhead Inspection:**

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# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-18

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/14/25

Initial DTW (Date/Time): 63.74 (1/9/25 951) Syst. Vol: **1059** (ml)

**Initial Setup:** Controller ID: **101** 72 Pressure: **40** (psi) Flow: **320** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1054 | 63.92 | 320 |
| Adjust Purging: | 1055 | 63.98 | 240 (5 min) |
| Begin Scan: | 1100 | 64.07 | 240 |
| Complete Scan: | 1114 | 64.16 | 240 |
| Collect Samples: | 1117 | | |
| Complete Samples: | 1135 | 64.19 | 220 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.15 | 1.64 | 4.60 | 7.49 | 408 | 24.3 | |
| 2:00 | 20.23 | 1.62 | 3.65 | 7.42 | 411 | 22.5 | |
| 4:00 | 20.30 | 1.60 | 3.22 | 7.36 | 413 | 20.3 | |
| 6:00 | 20.32 | 1.60 | 2.93 | 7.32 | 415 | 19.0 | |
| 8:00 | 20.38 | 1.60 | 2.80 | 7.29 | 416 | 16.6 | |
| 10:00 | 20.37 | 1.60 | 2.59 | 7.26 | 417 | 15.0 | |
| 12:00 | 20.38 | 1.60 | 2.61 | 7.24 | 418 | 13.3 | |
| 14:00 | 20.41 | 1.60 | 2.52 | 7.22 | 418 | 12.2 | |
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**Wellhead Inspection:**

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# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-21

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/14/25

Initial DTW (Date/Time): 66.13 (1/9/25 956) Syst. Vol: **1355** (ml)

**Initial Setup:** Controller ID: ~~99~~ 70 Pressure: **65** (psi) Flow: **120** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1142 | 66.25 | 300 | |
| Adjust Purging: | 1146 | 66.43 | 110 | (3 min) |
| Begin Scan: | 1159 | 67.86 | 100 | |
| Complete Scan: | — passive sampling — | | | |
| Collect Samples: | 1202 | | | |
| Complete Samples: | 1239 | 68.01 | 100 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.50 | 0.827 | 4.58 | 7.60 | 399 | 0.0 | |
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# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-28

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/13/25

Initial DTW (Date/Time): 333.11 (1/9/25 831) Syst. Vol: **3909** (ml)

**Initial Setup:** Controller ID: **52** Pressure: **175** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 836 | 333.12 | 105 | |
| Adjust Purging: | 840 | 333.22 | 150 | (6 min) |
| Begin Scan: | 906 | 333.24 | 145 | |
| Complete Scan: | 916 | 333.47 | 130 | |
| Collect Samples: | 919 | QCFB: 922 | | |
| Complete Samples: | 948 | 333.54 | 125 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.47 | 1.72 | 2.98 | 7.05 | 331 | 23.0 | |
| 2:00 | 19.56 | 1.73 | 2.70 | 7.11 | 319 | 19.2 | |
| 4:00 | 19.61 | 1.73 | 2.39 | 7.17 | 312 | 16.4 | |
| 6:00 | 19.66 | 1.73 | 2.04 | 7.24 | 309 | 12.1 | |
| 8:00 | 19.71 | 1.73 | 1.94 | 7.30 | 308 | 6.4 | |
| 10:00 | 19.66 | 1.74 | 1.97 | 7.32 | 308 | 3.5 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-29

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/6/25

Initial DTW (Date/Time): 55.87 (1/9/25 924) Syst. Vol: **1165** (ml)

**Initial Setup:** Controller ID: 74 ~~103~~ Pressure: **40** (psi) Flow: **350** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 855 | 56.10 | 500 |
| Adjust Purging: | 857 | 56.11 | 280 (4 min) |
| Begin Scan: | 901 | 56.11 | 250 |
| Complete Scan: | 915 | 56.11 | 260 |
| Collect Samples: | 918 | ACFB: 920 | |
| Complete Samples: | 934 | 56.11 | 220 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 15.57 | 1.51 | 5.57 | 7.79 | 340 | 57.8 | |
| 2:00 | 17.22 | 1.46 | 4.76 | 7.53 | 377 | 67.1 | |
| 4:00 | 17.67 | 1.45 | 3.91 | 7.32 | 404 | 73.6 | |
| 6:00 | 17.85 | 1.44 | 3.53 | 7.18 | 422 | 76.5 | |
| 8:00 | 17.65 | 1.45 | 3.32 | 7.09 | 433 | 76.8 | |
| 10:00 | 17.93 | 1.44 | 3.10 | 7.07 | 440 | 71.2 | |
| 12:00 | 17.83 | 1.44 | 2.97 | 7.04 | 443 | 66.8 | |
| 14:00 | 17.93 | 1.43 | 2.94 | 7.01 | 445 | 62.1 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-30

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/15/25

Initial DTW (Date/Time): 140.72 (1/9/25 1005) Syst. Vol: **1842** (ml)

**Initial Setup:** Controller ID: **76** Pressure: **78** (psi) Flow: **315** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1137 | 140.77 | 410 |
| Adjust Purging: | 1140 | 141.05 | 250 (8 min.) |
| Begin Scan: | 1148 | 141.06 | 250 |
| Complete Scan: | 1156 | 141.10 | 260 |
| Collect Samples: | 1159 | | |
| Complete Samples: | 1216 | 141.10 | 240 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.85 | 1.28 | 1.86 | 7.61 | 411 | 24.3 | |
| 2:00 | 20.92 | 1.28 | 1.50 | 7.50 | 412 | 25.9 | |
| 4:00 | 21.34 | 1.27 | 1.36 | 7.43 | 410 | 24.9 | |
| 6:00 | 21.39 | 1.26 | 1.32 | 7.40 | 408 | 23.1 | |
| 8:00 | 21.45 | 1.26 | 1.26 | 7.37 | 405 | 20.6 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-31

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/16/25

Initial DTW (Date/Time): 59.64 (1/9/25 932) Syst. Vol: **1068** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **38** (psi) Flow: **420** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 952 | 59.78 | 400 |
| Adjust Purging: | 954 | 59.90 | 280 (4 min) |
| Begin Scan: | 958 | 59.86 | 260 |
| Complete Scan: | 1010 | 59.88 | 300 |
| Collect Samples: | 1013 | | |
| Complete Samples: | 1029 | 59.86 | 280 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 17.70 | 2.03 | 3.72 | 7.20 | 446 | 29.1 | |
| 2:00 | 18.08 | 2.09 | 2.51 | 7.03 | 453 | 28.4 | |
| 4:00 | 18.12 | 2.11 | 1.97 | 6.91 | 456 | 27.5 | |
| 6:00 | 18.24 | 2.10 | 1.71 | 6.82 | 458 | 25.5 | |
| 8:00 | 18.38 | 2.10 | 1.59 | 6.79 | 460 | 24.7 | |
| 10:00 | 18.40 | 2.10 | 1.50 | 6.77 | 461 | 22.8 | |
| 12:00 | 18.49 | 2.09 | 1.44 | 6.73 | 462 | 21.9 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** PZ-4

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 1/14/25

Initial DTW (Date/Time): 73.96 (1/9/25 1114) Syst. Vol: **1508** (ml)

**Initial Setup:** Controller ID: **103** 74 Pressure: **70** (psi) Flow: **440** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1302 | 74.01 | 250 | (6 min) |
| Adjust Purging: | — | — | — | |
| Begin Scan: | 1308 | 74.88 | 300 | |
| Complete Scan: | 1322 | 75.10 | 255 | |
| Collect Samples: | 1325 | | | |
| Complete Samples: | 1340 | 75.02 | 255 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.41 | 1.10 | 3.82 | 7.22 | 438 | 9.8 | |
| 2:00 | 19.53 | 1.12 | 3.03 | 7.13 | 441 | 10.4 | |
| 4:00 | 19.68 | 1.14 | 2.49 | 7.05 | 442 | 10.5 | |
| 6:00 | 19.76 | 1.15 | 2.22 | 7.01 | 442 | 10.9 | |
| 8:00 | 19.81 | 1.15 | 2.00 | 6.97 | 443 | 12.1 | |
| 10:00 | 19.87 | 1.16 | 1.85 | 6.94 | 443 | 7.9 | |
| 12:00 | 19.87 | 1.16 | 1.74 | 6.93 | 443 | 9.5 | |
| 14:00 | 19.89 | 1.16 | 1.69 | 6.92 | 443 | 10.1 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-1

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/19/25

Initial DTW (Date/Time): 55.80 (2/19/25 905) Syst. Vol: **1217** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **50** (psi) Flow: **920** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 915 | 55.80 | 520 |
| Adjust Purging: | 917 | 56.08 | 350 (4 min) |
| Begin Scan: | 921 | 56.18 | 300 |
| Complete Scan: | 929 | 56.16 | 330 |
| Collect Samples: | 932 | | |
| Complete Samples: | 946 | 56.16 | 300 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.12 | 1.40 | 6.27 | 6.81 | 405 | 20.2 | |
| 2:00 | 21.40 | 1.40 | 5.81 | 6.78 | 393 | 24.0 | |
| 4:00 | 21.77 | 1.40 | 5.59 | 6.84 | 385 | 27.2 | |
| 6:00 | 21.74 | 1.39 | 5.44 | 6.89 | 379 | 26.6 | |
| 8:00 | 22.17 | 1.39 | 5.32 | 6.91 | 376 | 26.3 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-3

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/19/25

Initial DTW (Date/Time): 90.21 (2/19/25 1110) Syst. Vol: **1549** (ml)

**Initial Setup:** Controller ID: **72** Pressure: **75** (psi) Flow: **700** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1116 | 90.21 | 300 (6 min) |
| Adjust Purging: | — | — | — |
| Begin Scan: | 1122 | 90.43 | 300 |
| Complete Scan: | 1130 | 90.45 | 270 |
| Collect Samples: | 1134 | | |
| Complete Samples: | 1150 | 90.43 | 270 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.35 | 0.801 | 7.11 | 6.99 | 431 | 0.0 | |
| 2:00 | 22.13 | 0.767 | 6.64 | 6.96 | 431 | 0.0 | |
| 4:00 | 21.89 | 0.756 | 6.33 | 6.95 | 431 | 0.0 | |
| 6:00 | 21.94 | 0.747 | 6.14 | 6.94 | 430 | 0.0 | |
| 8:00 | 21.93 | 0.741 | 5.95 | 6.94 | 430 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-7

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/18/25

Initial DTW (Date/Time): 33.62 (2/18/25 933 Syst. Vol: **866** (ml)

**Initial Setup:** Controller ID: **102** Pressure: **35** (psi) Flow: **450** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 939 | 33.62 | 800 |
| Adjust Purging: | 940 | 33.85 | 275 (slow) |
| Begin Scan: | 944 | 33.92 | 275 |
| Complete Scan: | 954 | 33.92 | 275 |
| Collect Samples: | 957 | | |
| Complete Samples: | 1013 | 33.84 | 250 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.78 | 1.66 | 4.07 | 7.11 | 415 | 9.9 | |
| 2:00 | 21.12 | 1.75 | 2.91 | 7.16 | 412 | 9.7 | |
| 4:00 | 21.26 | 1.77 | 2.58 | 7.21 | 410 | 9.8 | |
| 6:00 | 21.32 | 1.79 | 2.26 | 7.25 | 407 | 9.7 | |
| 8:00 | 21.40 | 1.79 | 2.14 | 7.27 | 406 | 8.5 | |
| 10:00 | 21.42 | 1.79 | 2.17 | 7.29 | 405 | 7.7 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-8

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/11/25

Initial DTW (Date/Time): 180.97 (2/11/25 1001) Syst. Vol: **3036** (ml)

**Initial Setup:** Controller ID: **82** Pressure: **145** (psi) Flow: **225** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1007 | 180.97 | 310 | |
| Adjust Purging: | 1009 | 181.09 | 200 | (15 min) |
| Begin Scan: | 1024 | 181.85 | 200 | |
| Complete Scan: | 1032 | 182.22 | 200 | |
| Collect Samples: | 1035 | QCFB: 1037 | | |
| Complete Samples: | 1057 | 122.14 | 170 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.42 | 5.10 | 2.24 | 6.87 | 367 | 18.3 | |
| 2:00 | 20.50 | 5.10 | 1.96 | 6.83 | 366 | 17.0 | |
| 4:00 | 20.59 | 5.09 | 1.82 | 6.81 | 363 | 14.7 | |
| 6:00 | 20.70 | 5.08 | 1.69 | 6.79 | 359 | 13.5 | |
| 8:00 | 20.79 | 5.07 | 1.71 | 6.79 | 355 | 12.1 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-9

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/11/25

Initial DTW (Date/Time): 232.90 (2/11/25 1123) Syst. Vol: **2860** (ml)

**Initial Setup:** Controller ID: **81** Pressure: **140**(psi)(psi) Flow: **180** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1128 | 232.90 | 300 |
| Adjust Purging: | 1131 | 233.22 | 160 (1/6 min) |
| Begin Scan: | 1149 | | |
| Complete Scan: | | Pump mal-function | |
| Collect Samples: | | | |
| Complete Samples: | | | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID: DW-12**

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/18/25

Initial DTW (Date/Time): 104.78 (2/18/25 827) Syst. Vol: **1543** (ml)

**Initial Setup:** Controller ID: **105** Pressure: **65** (psi) Flow: **210** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 839 | 104.78 | 400 |
| Adjust Purging: | 842 | 104.95 | 210 (8 min) |
| Begin Scan: | 850 | 105.09 | 200 |
| Complete Scan: | 856 | 105.15 | 200 |
| Collect Samples: | 859 | | |
| Complete Samples: | 920 | 105.17 | 180 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.24 | 1.55 | 5.09 | 6.99 | 392 | 43.1 | |
| 2:00 | 20.10 | 1.54 | 4.66 | 6.97 | 393 | 61.6 | |
| 4:00 | 20.31 | 1.54 | 4.58 | 6.99 | 390 | 64.9 | |
| 6:00 | 20.43 | 1.54 | 4.44 | 6.99 | 398 | 64.8 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-14

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/10/25

Initial DTW (Date/Time): 218.87 (2/10/25 8:25) Syst. Vol: **2816** (ml)

**Initial Setup:** Controller ID: **78** Pressure: **135** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 839 | 218.87 | 290 |
| Adjust Purging: | 841 | 219.10 | 150 (ml/min) |
| Begin Scan: | 900 | 219.82 | 150 |
| Complete Scan: | 910 | 220.19 | 150 |
| Collect Samples: | 913 | | |
| Complete Samples: | 941 | 220.91 | 140 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 13.45 | 0.778 | 4.43 | 6.60 | 486 | 46.2 | |
| 2:00 | 13.49 | 0.778 | 3.95 | 6.79 | 477 | 42.0 | |
| 4:00 | 13.53 | 0.778 | 3.59 | 6.82 | 467 | 37.4 | |
| 6:00 | 13.55 | 0.781 | 3.32 | 6.89 | 459 | 33.2 | |
| 8:00 | 13.55 | 0.783 | 3.21 | 6.95 | 452 | 30.8 | |
| 10:00 | 13.56 | 0.784 | 3.10 | 6.97 | 449 | 29.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-15

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/10/25

Initial DTW (Date/Time): 140.62 (2/10/25 1226) Syst. Vol: **1781** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **90** (psi) Flow: **600** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1232 | 140.62 | 440 |
| Adjust Purging: | 1234 | 140.79 | 300 (6 min) |
| Begin Scan: | 1240 | 140.78 | 280 |
| Complete Scan: | 1246 | 140.79 | 300 |
| Collect Samples: | 1249 | | |
| Complete Samples: | 1304 | 140.79 | 280 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.42 | 3.00 | 1.70 | 6.61 | 460 | 21.4 | |
| 2:00 | 23.48 | 3.02 | 1.46 | 6.61 | 455 | 20.6 | |
| 4:00 | 23.54 | 3.02 | 1.35 | 6.67 | 447 | 19.6 | |
| 6:00 | 23.56 | 3.02 | 1.28 | 6.71 | 440 | 19.1 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID: DW-16**

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/19/25

Initial DTW (Date/Time): 182.94 (2/19/25 1005 Syst. Vol: **2363** (ml)

**Initial Setup:** Controller ID: ~~107~~ 78 Pressure: **120** (psi) Flow: **520** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1011 | 182.94 | 540 |
| Adjust Purging: | 1012 | 183.11 | 360 (7 min) |
| Begin Scan: | 1019 | 183.10 | 350 |
| Complete Scan: | 1029 | 183.0 | 350 |
| Collect Samples: | 1032 | | |
| Complete Samples: | 1046 | 183.09 | 300 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.89 | 1.22 | 6.25 | 6.84 | 403 | 1.0 | |
| 2:00 | 23.91 | 1.23 | 5.94 | 7.06 | 394 | 0.0 | |
| 4:00 | 23.96 | 1.23 | 5.70 | 7.14 | 388 | 0.0 | |
| 6:00 | 24.02 | 1.23 | 5.53 | 7.24 | 384 | 0.0 | |
| 8:00 | 24.10 | 1.23 | 5.40 | 7.29 | 382 | 0.0 | |
| 10:00 | 24.12 | 1.22 | 5.28 | 7.33 | 381 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-17

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/10/25

Initial DTW (Date/Time): 141.79 (2/19/25 757) Syst. Vol: **2227** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **110** (psi) Flow: **130** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1006 | 141.79 | 200 |
| Adjust Purging: | 1010 | 142.02 | 130 (1/min) |
| Begin Scan: | 1027 | 142.10 | 125 |
| Complete Scan: | 1039 | 142.37 | 125 |
| Collect Samples: | 1042 | | |
| Complete Samples: | 1116 | 142.35 | 115 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 18.52 | 1.18 | 4.24 | 7.19 | 443 | 44.0 | |
| 2:00 | 19.64 | 1.19 | 3.92 | 7.29 | 441 | 46.5 | |
| 4:00 | 20.10 | 1.19 | 3.54 | 7.33 | 433 | 47.4 | |
| 6:00 | 20.22 | 1.20 | 3.19 | 7.43 | 427 | 47.1 | |
| 8:00 | 20.31 | 1.20 | 2.89 | 7.52 | 423 | 45.3 | |
| 10:00 | 20.48 | 1.20 | 2.76 | 7.57 | 420 | 44.0 | |
| 12:00 | 20.44 | 1.20 | 2.73 | 7.61 | 418 | 41.9 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-18

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/18/25

Initial DTW (Date/Time): 64.06 (2/18/25 1042) Syst. Vol: **1059** (ml)

**Initial Setup:** Controller ID: **101** Pressure: **40** (psi) Flow: **320** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1045 | 64.06 | 500 | |
| Adjust Purging: | 1046 | 64.13 | 250 | (4 min) |
| Begin Scan: | 1050 | 64.20 | 250 | |
| Complete Scan: | 1102 | 64.32 | 250 | |
| Collect Samples: | 1105 | | | |
| Complete Samples: | 1122 | 64.38 | 240 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.13 | 1.69 | 3.10 | 7.19 | 407 | 0.0 | |
| 2:00 | 20.97 | 1.62 | 2.72 | 7.11 | 411 | 0.0 | |
| 4:00 | 20.84 | 1.59 | 2.31 | 7.01 | 414 | 0.0 | |
| 6:00 | 20.87 | 1.58 | 2.12 | 6.99 | 415 | 0.0 | |
| 8:00 | 20.82 | 1.58 | 1.99 | 6.96 | 416 | 0.0 | |
| 10:00 | 20.87 | 1.58 | 1.91 | 6.95 | 416 | 0.0 | |
| 12:00 | 20.84 | 1.57 | 1.84 | 6.93 | 416 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-21

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/18/25

Initial DTW (Date/Time): 65.34 (2/18/25 1127) Syst. Vol: **1355** (ml)

**Initial Setup:** Controller ID: **99** Pressure: **65** (psi) Flow: **120** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1131 | 65.34 | 340 | |
| Adjust Purging: | 1133 | 65.50 | 120 | (12 min) |
| Begin Scan: | 1145 | 65.14 | 110 | |
| Complete Scan: | passive sampling | | | |
| Collect Samples: | 1148 | DUPB: 1151 | | |
| Complete Samples: | 1225 | 67.19 | 100 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.07 | 0.852 | 2.56 | 7.43 | 392 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-28

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/11/25

Initial DTW (Date/Time): 332.90 (2/11/25 827) Syst. Vol: **3909** (ml)

**Initial Setup:** Controller ID: **52** Pressure: **175** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 833 | 332.90 | 90 |
| Adjust Purging: | 835 | 332.96 | 150 (26 min) |
| Begin Scan: | 901 | 333.07 | 150 |
| Complete Scan: | 913 | 333.16 | 130 |
| Collect Samples: | 916 | | |
| Complete Samples: | 944 | 333.17 | 140 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.50 | 1.76 | 2.67 | 7.41 | 307 | 38.4 | |
| 2:00 | 19.35 | 1.75 | 2.53 | 7.43 | 299 | 33.9 | |
| 4:00 | 19.37 | 1.76 | 2.37 | 7.45 | 291 | 29.4 | |
| 6:00 | 19.62 | 1.76 | 2.13 | 7.48 | 284 | 27.7 | |
| 8:00 | 19.96 | 1.75 | 1.89 | 7.54 | 278 | 26.1 | |
| 10:00 | 20.20 | 1.76 | 1.96 | 7.51 | 275 | 25.8 | |
| 12:00 | 20.27 | 1.76 | 1.86 | 7.55 | 274 | 25.3 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-29

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/19/25

Initial DTW (Date/Time): 53.16 (2/19/25 805) Syst. Vol: **1165** (ml)

**Initial Setup:** Controller ID: **103** Pressure: **40** (psi) Flow: **350** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 819 | 53.16 | 480 |
| Adjust Purging: | 820 | 53.18 | 330 (14 min) |
| Begin Scan: | 824 | 53.18 | 300 |
| Complete Scan: | 838 | 53.18 | 280 |
| Collect Samples: | 841 | QCFB: 843 | |
| Complete Samples: | 859 | 53.15 | 200 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 17.94 | 1.46 | 4.22 | 7.05 | 350 | 32.6 | |
| 2:00 | 18.49 | 1.45 | 3.26 | 6.85 | 385 | 48.9 | |
| 4:00 | 18.90 | 1.44 | 2.77 | 6.81 | 407 | 54.5 | |
| 6:00 | 18.96 | 1.44 | 2.51 | 6.75 | 416 | 55.4 | |
| 8:00 | 19.04 | 1.44 | 2.35 | 6.70 | 424 | 54.2 | |
| 10:00 | 19.10 | 1.44 | 2.24 | 6.70 | 427 | 51.9 | |
| 12:00 | 19.17 | 1.44 | 2.12 | 6.68 | 430 | 48.1 | |
| 14:00 | 19.23 | 1.44 | 2.08 | 6.67 | 431 | 44.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-30

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/10/25

Initial DTW (Date/Time): 140.66 (2/10/25 1132) Syst. Vol: **1842** (ml)

**Initial Setup:** Controller ID: **76** Pressure: **78** (psi) Flow: **315** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1137 | 140.66 | 300 (16 min) |
| Adjust Purging: | — | — | — |
| Begin Scan: | 1143 | 140.95 | 270 |
| Complete Scan: | 1155 | 141.05 | 300 |
| Collect Samples: | 1158 | QCFB: 1200 | |
| Complete Samples: | 1212 | 141.19 | 270 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.03 | 1.25 | 4.88 | 7.64 | 425 | 26.7 | |
| 2:00 | 20.82 | 1.28 | 2.70 | 7.39 | 441 | 29.2 | |
| 4:00 | 21.20 | 1.28 | 1.91 | 7.26 | 450 | 33.3 | |
| 6:00 | 21.36 | 1.28 | 1.61 | 7.11 | 453 | 34.7 | |
| 8:00 | 21.41 | 1.26 | 1.47 | 7.02 | 452 | 33.4 | |
| 10:00 | 21.56 | 1.26 | 1.40 | 6.97 | 450 | 31.6 | |
| 12:00 | 21.61 | 1.25 | 1.37 | 6.94 | 448 | 30.3 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-31

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/18/25

Initial DTW (Date/Time): 59.31 (2/18/25 1248) Syst. Vol: **1068** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **38** (psi) Flow: **420** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1256 | 59.31 | 680 |
| Adjust Purging: | 1258 | 59.46 | 350 (3 min) |
| Begin Scan: | 1301 | 59.45 | 350 |
| Complete Scan: | 1311 | 59.46 | 350 |
| Collect Samples: | 1314 | | |
| Complete Samples: | 1326 | 59.45 | 350 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.62 | 1.59 | 3.55 | 7.05 | 342 | 0.0 | |
| 2:00 | 19.45 | 1.93 | 2.16 | 6.68 | 244 | 0.0 | |
| 4:00 | 19.34 | 1.98 | 1.61 | 6.58 | 216 | 0.0 | |
| 6:00 | 19.26 | 1.99 | 1.45 | 6.51 | 207 | 0.0 | |
| 8:00 | 19.34 | 1.99 | 1.32 | 6.45 | 205 | 0.0 | |
| 10:00 | 19.27 | 1.99 | 1.28 | 6.43 | 205 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** PZ-4

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 2/11/25

Initial DTW (Date/Time): 74.11 (2/11/25 1222) Syst. Vol: **1508** (ml)

**Initial Setup:** Controller ID: **103** Pressure: **70** (psi) Flow: **440** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1226 | 74.11 | 500 |
| Adjust Purging: | 1227 | 74.76 | 300 (5 min) |
| Begin Scan: | 1232 | 75.24 | 260 |
| Complete Scan: | 1242 | 75.48 | 290 |
| Collect Samples: | 1246 | | |
| Complete Samples: | 1300 | 75.31 | 290 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.22 | 1.14 | 4.37 | 7.37 | 344 | 0.0 | |
| 2:00 | 21.17 | 1.13 | 2.25 | 7.20 | 353 | 0.0 | |
| 4:00 | 21.10 | 1.12 | 1.82 | 7.09 | 357 | 0.0 | |
| 6:00 | 21.01 | 1.12 | ~~1.67~~ | 7.02 | 358 | 0.0 | |
| 8:00 | 20.75 | 1.12 | 1.55 | 6.98 | 359 | 0.0 | |
| 10:00 | 20.56 | 1.13 | 1.49 | 6.95 | 360 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-1

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/12/25

Initial DTW (Date/Time): 52.20 (3/12/25 945) Syst. Vol: **1217** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **50** (psi) Flow: **920** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 949 | 52.20 | 600 |
| Adjust Purging: | 951 | 52.48 | 350 (4 min) |
| Begin Scan: | 955 | 52.55 | 340 |
| Complete Scan: | 1005 | 52.59 | 320 |
| Collect Samples: | 1008 | | |
| Complete Samples: | 1021 | 52.58 | 300 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.74 | 1.63 | 7.25 | 6.53 | 360 | 14.2 | |
| 2:00 | 21.78 | 1.56 | 6.84 | 6.75 | 334 | 28.6 | |
| 4:00 | 22.04 | 1.55 | 6.68 | 6.82 | 322 | 35.0 | |
| 6:00 | 22.18 | 1.55 | 6.46 | 6.94 | 312 | 36.3 | |
| 8:00 | 22.17 | 1.55 | 6.29 | 7.00 | 307 | 35.7 | |
| 10:00 | 22.26 | 1.55 | 6.15 | 7.04 | 301 | 33.2 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-3

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/20/25

Initial DTW (Date/Time): 90.04 (3/20/25 1233) Syst. Vol: **1549** (ml)

**Initial Setup:** Controller ID: **72** Pressure: **75** (psi) Flow: **700** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1239 | 90.04 | 360 (5 min) |
| Adjust Purging: | — | — | — |
| Begin Scan: | 1244 | 90.28 | 360 |
| Complete Scan: | 1252 | 90.32 | 360 |
| Collect Samples: | 1256 | | |
| Complete Samples: | 1308 | 90.31 | 330 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 24.67 | 0.840 | 6.92 | 6.95 | 399 | 0.0 | |
| 2:00 | 24.06 | 0.800 | 6.38 | 6.86 | 401 | 0.0 | |
| 4:00 | 23.56 | 0.790 | 6.04 | 6.83 | 400 | 0.0 | |
| 6:00 | 23.63 | 0.783 | 5.98 | 6.82 | 400 | 0.0 | |
| 8:00 | 23.51 | 0.776 | 5.82 | 6.79 | 400 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-7

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/11/25

Initial DTW (Date/Time): 33.53 (3/11/25 851) Syst. Vol: **866** (ml)

**Initial Setup:** Controller ID: **102** Pressure: **35** (psi) Flow: **450** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 856 | 33.53 | 350 (3 min) |
| Adjust Purging: | — | — | — |
| Begin Scan: | 900 | 33.71 | 330 |
| Complete Scan: | 906 | 33.76 | 360 |
| Collect Samples: | 909 | | |
| Complete Samples: | 921 | 33.78 | 330 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.61 | 1.92 | 8.60 | 7.21 | 417 | 8.2 | |
| 2:00 | 20.22 | 1.95 | 7.92 | 7.27 | 414 | 13.6 | |
| 4:00 | 20.40 | 1.96 | 7.64 | 7.30 | 413 | 16.3 | |
| 6:00 | 20.38 | 1.96 | 7.40 | 7.33 | 411 | 17.3 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-8

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/20/25

Initial DTW (Date/Time): 181.21 (3/20/25 818) Syst. Vol: **3036** (ml)

**Initial Setup:** Controller ID: **82** Pressure: **145** (psi) Flow: **225** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 831 | 181.21 | 300 | |
| Adjust Purging: | 833 | 181.34 | 190 | (10 min) |
| Begin Scan: | 849 | 181.90 | 175 | |
| Complete Scan: | 903 | 182.37 | 160 | |
| Collect Samples: | 906 | QCFB: 908 | | |
| Complete Samples: | 933 | 182.94 | 140 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.65 | 5.50 | 3.61 | 6.79 | 313 | 603 | |
| 2:00 | 19.72 | 5.51 | 3.11 | 6.74 | 288 | 57.7 | |
| 4:00 | 19.92 | 5.50 | 2.82 | 6.71 | 266 | 55.0 | |
| 6:00 | 20.03 | 5.49 | 2.53 | 6.68 | 242 | 57.1 | |
| 8:00 | 19.99 | 5.50 | 2.39 | 6.68 | 230 | 48.6 | |
| 10:00 | 20.06 | 5.50 | 2.21 | 6.67 | 218 | 44.0 | |
| 12:00 | 20.18 | 5.49 | 2.13 | 6.67 | 208 | 40.6 | |
| 14:00 | 20.19 | 5.48 | 2.07 | 6.67 | 199 | 38.1 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-9

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/10/25

Initial DTW (Date/Time): 232.90 (3/10/25 1006) Syst. Vol: **2860** (ml)

**Initial Setup:** Controller ID: **81** Pressure: **140**(psi)(psi) Flow: **180** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1008 | 232.90 | 410 | |
| Adjust Purging: | 1012 | 233.24 | 175 | (16 MIN) |
| Begin Scan: | 1028 | 233.28 | 180 | |
| Complete Scan: | 1034 | 233.29 | 175 | |
| Collect Samples: | 1037 | | | |
| Complete Samples: | 1101 | 233.29 | 175 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.32 | 2.18 | 6.95 | 7.39 | 297 | 16.2 | |
| 2:00 | 21.38 | 2.18 | 6.76 | 7.39 | 304 | 14.2 | |
| 4:00 | 21.42 | 2.18 | 6.64 | 7.39 | 310 | 12.9 | |
| 6:00 | 21.49 | 2.18 | 6.57 | 7.39 | 314 | 11.9 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-12

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/11/25

Initial DTW (Date/Time): 104.51 (3/11/25 748) Syst. Vol: **1543** (ml)

**Initial Setup:** Controller ID: **105** Pressure: **65** (psi) Flow: **210** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 758 | 104.51 | 500 | |
| Adjust Purging: | 800 | 104.66 | 200 | (8 min) |
| Begin Scan: | 808 | 104.74 | 190 | |
| Complete Scan: | 816 | 104.79 | 200 | |
| Collect Samples: | 819 | DCFB: 821 | | |
| Complete Samples: | 842 | | 160 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.40 | 1.74 | 5.78 | 7.60 | 366 | 32.8 | |
| 2:00 | 19.82 | 1.73 | 5.73 | 7.44 | 379 | 38.8 | |
| 4:00 | 19.77 | 1.73 | 5.19 | 7.35 | 386 | 40.5 | |
| 6:00 | 19.99 | 1.72 | 5.30 | 7.28 | 392 | 39.3 | |
| 8:00 | 20.05 | 1.72 | 5.21 | 7.26 | 395 | 37.5 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-14

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/10/25

Initial DTW (Date/Time): 218.77 (3/10/25 1222) Syst. Vol: **2816** (ml)

**Initial Setup:** Controller ID: **78** Pressure: **135** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1227 | 218.77 | 230 | |
| Adjust Purging: | 1228 | 218.89 | 150 | (19 min) |
| Begin Scan: | 1247 | 219.70 | 130 | |
| Complete Scan: | 1259 | 220.16 | 150 | |
| Collect Samples: | 1303 | | | |
| Complete Samples: | 1330 | 220.74 | 140 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 25.03 | 0.719 | 2.66 | 6.74 | 410 | 0.4 | |
| 2:00 | 25.00 | 0.723 | 2.42 | 6.93 | 397 | 0.0 | |
| 4:00 | 24.97 | 0.727 | 2.27 | 7.16 | 388 | 0.0 | |
| 6:00 | 24.93 | 0.729 | 1.99 | 7.23 | 381 | 0.0 | |
| 8:00 | 24.97 | 0.732 | 1.88 | 7.34 | 375 | 0.0 | |
| 10:00 | 24.91 | 0.734 | 1.84 | 7.39 | 372 | 0.0 | |
| 12:00 | 24.88 | 0.735 | 1.82 | 7.42 | 369 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-15

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/12/25

Initial DTW (Date/Time): 140.69 (3/12/25 1136) Syst. Vol: **1781** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **90** (psi) Flow: **600** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1137 | 140.69 | 300 (6 min) |
| Adjust Purging: | - | - | - |
| Begin Scan: | 1143 | 140.81 | 300 |
| Complete Scan: | 1151 | 140.75 | 260 |
| Collect Samples: | 1154 | | |
| Complete Samples: | 1207 | 140.67 | 270 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.30 | 3.28 | 6.16 | 6.59 | 290 | 12.9 | |
| 2:00 | 21.75 | 3.31 | 5.69 | 6.54 | 252 | 15.7 | |
| 4:00 | 21.96 | 3.32 | 5.32 | 6.59 | 192 | 15.6 | |
| 6:00 | 22.04 | 3.32 | 5.14 | 6.64 | 161 | 15.6 | |
| 8:00 | 21.99 | 3.31 | 5.02 | 6.67 | 138 | 15.4 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-16

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/20/25

Initial DTW (Date/Time): 182.84 (3/20/25 1127) Syst. Vol: **2363** (ml)

**Initial Setup:** Controller ID: **107** Pressure: **120** (psi) Flow: **520** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1134 | 182.84 | 600 |
| Adjust Purging: | 1135 | 182.92 | 300 (↓ mm) |
| Begin Scan: | 1143 | 182.95 | 260 |
| Complete Scan: | 1157 | 182.93 | 320 |
| Collect Samples: | 1200 | | |
| Complete Samples: | 1215 | 182.93 | 260 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 25.06 | 1.29 | 3.76 | 6.83 | 387 | 0.0 | |
| 2:00 | 24.79 | 1.30 | 2.64 | 6.83 | 379 | 0.0 | |
| 4:00 | 24.72 | 1.31 | 2.11 | 6.99 | 371 | 0.0 | |
| 6:00 | 24.61 | 1.32 | 1.80 | 7.14 | 363 | 0.0 | |
| 8:00 | 24.54 | 1.32 | 1.73 | 7.14 | 358 | 0.0 | |
| 10:00 | 24.54 | 1.32 | 1.54 | 7.20 | 355 | 0.0 | |
| 12:00 | 24.41 | 1.33 | 1.50 | 7.24 | 352 | 0.0 | |
| 14:00 | 24.54 | 1.32 | 1.47 | 7.26 | 350 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-17

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/20/25

Initial DTW (Date/Time): 141.75 (3/20/25 954) Syst. Vol: **2227** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **110** (psi) Flow: **130** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1003 | 141.75 | 220 | |
| Adjust Purging: | 1007 | 141.95 | 120 | (19 min) |
| Begin Scan: | 1026 | 142.18 | 120 | |
| Complete Scan: | 1038 | 142.24 | 110 | |
| Collect Samples: | 1041 | | | |
| Complete Samples: | 1115 | 142.33 | 110 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.93 | 1.37 | 7.05 | 7.45 | 237 | 14.8 | |
| 2:00 | 21.08 | 1.32 | 6.87 | 7.61 | 246 | 13.7 | |
| 4:00 | 21.11 | 1.31 | 6.79 | 7.69 | 248 | 14.0 | |
| 6:00 | 21.22 | 1.30 | 6.63 | 7.80 | 251 | 11.9 | |
| 8:00 | 21.27 | 1.29 | 6.52 | 7.86 | 254 | 10.8 | |
| 10:00 | 21.35 | 1.29 | 6.39 | 7.90 | 257 | 7.0 | |
| 12:00 | 21.41 | 1.28 | 6.26 | 7.93 | 261 | 6.4 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-18

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/11/25

Initial DTW (Date/Time): 62.17 (3/11/25 950) Syst. Vol: **1059** (ml)

**Initial Setup:** Controller ID: **101** Pressure: **40** (psi) Flow: **320** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 958 | 62.17 | 300 (4 min) |
| Adjust Purging: | — | — | — |
| Begin Scan: | 1003 | 62.28 | 300 |
| Complete Scan: | 1015 | 62.46 | 300 |
| Collect Samples: | 1018 | | |
| Complete Samples: | 1036 | 62.52 | 240 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 18.54 | 1.77 | 9.07 | 7.29 | 421 | 6.7 | |
| 2:00 | 18.94 | 1.73 | 8.42 | 7.18 | 425 | 8.2 | |
| 4:00 | 19.35 | 1.70 | 7.74 | 7.10 | 428 | 9.7 | |
| 6:00 | 19.39 | 1.69 | 7.38 | 7.05 | 429 | 9.6 | |
| 8:00 | 19.48 | 1.69 | 6.99 | 7.02 | 430 | 9.0 | |
| 10:00 | 19.45 | 1.69 | 6.75 | 7.01 | 430 | 8.3 | |
| 12:00 | 19.47 | 1.69 | 6.59 | 7.00 | 430 | 7.6 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-21

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/11/25

Initial DTW (Date/Time): 62.29 (3/11/25 1045) Syst. Vol: **1355** (ml)

**Initial Setup:** Controller ID: **99** Pressure: **65** (psi) Flow: **120** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1047 | 62.29 | 240 |
| Adjust Purging: | 1050 | 62.42 | 100 (14 min) |
| Begin Scan: | 1104 | 62.94 | 110 |
| Complete Scan: | — passive sampling — | | |
| Collect Samples: | 1107 | | |
| Complete Samples: | 1146 | 63.97 | 100 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0100 | 17.46 | 0871 | 4.00 | 7.48 | 404 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-28

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/10/25

Initial DTW (Date/Time): 332.98 (3/10/25 815) Syst. Vol: **3909** (ml)

**Initial Setup:** Controller ID: **52** Pressure: **175** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 831 | 332.98 | 80 |
| Adjust Purging: | 834 | 332.99 | 150 (2 min) |
| Begin Scan: | 900 | 333.13 | 150 |
| Complete Scan: | 910 | 333.19 | 150 |
| Collect Samples: | 913 | QCFB: 916 | |
| Complete Samples: | 941 | 333.38 | 150 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 17.87 | 1.98 | 2.86 | 7.10 | 130 | 57.2 | |
| 2:00 | 18.03 | 1.98 | 2.51 | 7.18 | 115 | 53.3 | |
| 4:00 | 18.10 | 1.98 | 2.25 | 7.25 | 108 | 49.7 | |
| 6:00 | 18.37 | 1.97 | 2.08 | 7.31 | 106 | 47.2 | |
| 8:00 | 18.49 | 1.97 | 1.99 | 7.36 | 107 | 42.6 | |
| 10:00 | 1854 | 1.97 | 1.92 | 7.39 | 111 | 41.1 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-29

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/12/25

Initial DTW (Date/Time): 49.59 (3/12/25 745) Syst. Vol: **1165** (ml)

**Initial Setup:** Controller ID: **103** Pressure: **40** (psi) Flow: **350** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 755 | 49.59 | 500 | |
| Adjust Purging: | 756 | 49.64 | 320 | (4 min) |
| Begin Scan: | 801 | 49.66 | 280 | |
| Complete Scan: | 815 | 49.61 | 300 | |
| Collect Samples: | 818 | | | |
| Complete Samples: | 831 | 49.61 | 290 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 16.84 | 1.70 | 5.24 | 7.41 | 418 | 22.0 | |
| 2:00 | 18.02 | 1.65 | 3.55 | 7.05 | 442 | 43.4 | |
| 4:00 | 18.29 | 1.65 | 3.20 | 6.91 | 447 | 48.0 | |
| 6:00 | 18.40 | 1.64 | 2.86 | 6.81 | 450 | 49.8 | |
| 8:00 | 18.63 | 1.64 | 2.66 | 6.77 | 451 | 48.6 | |
| 10:00 | 18.84 | 1.64 | 2.53 | 6.74 | 452 | 46.3 | |
| 12:00 | 18.68 | 1.64 | 2.44 | 6.73 | 452 | 42.6 | |
| 14:00 | 18.77 | 1.64 | 2.38 | 6.72 | 452 | 38.1 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-30

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/12/25

Initial DTW (Date/Time): 140.71 (3/12/25 1036) Syst. Vol: **1842** (ml)

**Initial Setup:** Controller ID: **76** Pressure: **78** (psi) Flow: **315** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1042 | 140.71 | 350 | |
| Adjust Purging: | 1045 | 140.95 | 280 | (7 min) |
| Begin Scan: | 1052 | 140.98 | 250 | |
| Complete Scan: | 1058 | 141.05 | 300 | |
| Collect Samples: | 1101 | | | |
| Complete Samples: | 1115 | 141.05 | 260 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.23 | 1.35 | 1.65 | 7.10 | 167 | 8.8 | |
| 2:00 | 21.45 | 1.37 | 1.36 | 7.12 | 134 | 8.6 | |
| 4:00 | 21.61 | 1.36 | 1.27 | 7.13 | 118 | 7.3 | |
| 6:00 | 21.74 | 1.35 | 1.23 | 7.13 | 104 | 6.4 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-31

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/12/25

Initial DTW (Date/Time): 57.19 (3/12/25 846) Syst. Vol: **1068** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **38** (psi) Flow: **420** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 853 | 57.19 | 600 |
| Adjust Purging: | 855 | 57.30 | 250 (5 min) |
| Begin Scan: | 900 | 57.29 | 230 |
| Complete Scan: | 910 | 57.29 | 250 |
| Collect Samples: | 914 | QCFB: 916 | |
| Complete Samples: | 932 | 57.28 | 230 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 16.86 | 1.97 | 3.65 | 6.71 | 450 | 8.5 | |
| 2:00 | 17.61 | 2.08 | 2.78 | 6.67 | 441 | 8.5 | |
| 4:00 | 17.83 | 2.11 | 2.21 | 6.54 | 436 | 9.0 | |
| 6:00 | 17.84 | 2.12 | 1.97 | 6.48 | 432 | 8.3 | |
| 8:00 | 17.88 | 2.13 | 1.81 | 6.49 | 428 | 7.8 | |
| 10:00 | 17.92 | 2.13 | 1.77 | 6.47 | 426 | 7.1 | |
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**Wellhead Inspection:**

☐ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** PZ-4

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 3/10/25

Initial DTW (Date/Time): 74.29 (3/10/25 1120) Syst. Vol: **1508** (ml)

**Initial Setup:** Controller ID: **103** Pressure: **70** (psi) Flow: **440** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1126 | 74.29 | 580 | |
| Adjust Purging: | 1127 | 74.95 | 300 | (5 min) |
| Begin Scan: | 1132 | 74.22 | 290 | |
| Complete Scan: | 1146 | 74.33 | 280 | |
| Collect Samples: | 1149 | | | |
| Complete Samples: | 1204 | 74.35 | 250 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.90 | 1.34 | 8.18 | 6.93 | 397 | 0.0 | |
| 2:00 | 21.56 | 1.24 | 7.32 | 6.78 | 403 | 0.0 | |
| 4:00 | 21.60 | 1.22 | 5.91 | 6.65 | 403 | 0.0 | |
| 6:00 | 21.49 | 1.22 | 5.24 | 6.60 | 402 | 0.0 | |
| 8:00 | 21.42 | 1.22 | 4.50 | 6.55 | 401 | 0.0 | |
| 10:00 | 21.48 | 1.22 | 4.31 | 6.52 | 400 | 0.0 | |
| 12:00 | 21.62 | 1.22 | 4.17 | 6.50 | 399 | 0.0 | |
| 14:00 | 21.68 | 1.21 | 4.09 | 6.49 | 398 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

•CHANG ENVIRONMENTAL•

# WELL GAUGING FORM
## Chiquita Canyon Landfill

Project No. CCL-01 Field Personnel: P. Chang Date: 4/21/25

| Well Id | Date | Time of Reading | Depth to Water (ft) | Total Depth (ft) | Comments | Well Id | Date | Time of Reading | Depth to Water (ft) | Total Depth (ft) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DW-1 | 4/21/25 | 10:11 | 49.30 | | | DW-29 | 4/21/25 | 9:35 | 46.77 | | |
| DW-3 | 4/21/25 | 11:09 | 89.90 | | | DW-30 | 4/21/25 | 10:19 | 140.64 | | |
| DW-7 | 4/21/25 | 9:48 | 33.83 | | | DW-31 | 4/21/25 | 9:59 | 55.63 | | |
| DW-8 | 4/21/25 | 9:08 | 181.04 | | | PZ-3 | 4/21/25 | 11:17 | 71.09 | | |
| DW-9 | 4/21/25 | 9:22 | 232.91 | | | PZ-4 | 4/21/25 | 11:13 | 74.47 | | |
| DW-12 | 4/21/25 | 9:44 | 104.59 | | | PZ-5 | 4/21/25 | 12:07 | 74.73 | | |
| DW-14 | 4/21/25 | 11:04 | 218.84 | | | PZ-6 | 4/21/25 | 11:35 | 86.99 | | |
| DW-15 | 4/21/25 | 10:24 | 140.61 | | | PZ-7 | 4/21/25 | 11:29 | 126.96 | | |
| DW-16 | 4/21/25 | 10:40 | 182.80 | | | GP-15 115' | 4/21/25 | 12:21 | DRY | 115.0 | |
| DW-17 | 4/21/25 | 10:46 | 141.54 | | | GP-16 255' | 4/21/25 | 9:16 | 253.57 | | |
| DW-18 | 4/21/25 | 10:04 | 60.02 | | | GP-17 235' | 4/21/25 | 9:27 | 215.95 | | |
| DW-21 | 4/21/25 | 10:08 | 60.37 | | | GP-21 232' | 4/21/25 | 10:32 | 233.59 | | |
| DW-23 | 4/21/25 | 11:52 | 346.41 | | | GP-22 305' | 4/21/25 | 10:55 | 280.44 | | |
| DW-24 | 4/21/25 | 11:39 | 234.90 | | | GP-24 70' | 4/21/25 | 12:01 | 34.72 | | |
| DW-26 | 4/21/25 | 11:24 | 96.41 | | | GP-25 80' | 4/21/25 | 12:05 | 77.43 | | |
| DW-28 | 4/21/25 | 8:57 | 333.92 | | | GP-26 255' | 4/21/25 | 8:43 | 216.69 | | |

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-1

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/28/25

Initial DTW (Date/Time): 49.30 (4/21/25 1011) Syst. Vol: **1217** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **50** (psi) Flow: **920** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 948 | 49.41 | 375 | |
| Adjust Purging: | 950 | 49.68 | 320 | (4 min) |
| Begin Scan: | 954 | 49.73 | 280 | |
| Complete Scan: | 1006 | 49.81 | 350 | |
| Collect Samples: | 1009 | | | |
| Complete Samples: | 1024 | 49.80 | 260 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.62 | 1.52 | 3.81 | 6.70 | 434 | 24.6 | |
| 2:00 | 23.01 | 1.47 | 2.69 | 6.79 | 423 | 27.6 | |
| 4:00 | 23.07 | 1.46 | 2.25 | 6.83 | 419 | 28.3 | |
| 6:00 | 23.18 | 1.46 | 2.08 | 6.93 | 414 | 28.0 | |
| 8:00 | 23.18 | 1.46 | 1.95 | 6.99 | 412 | 27.4 | |
| 10:00 | 23.19 | 1.45 | 1.87 | 7.05 | 410 | 26.5 | |
| 12:00 | 23.20 | 1.45 | 1.80 | 7.08 | 408 | 24.5 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-3

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/28/25

Initial DTW (Date/Time): 89.90 (4/21/25 1011) Syst. Vol: **1549** (ml)

**Initial Setup:** Controller ID: **72** Pressure: **75** (psi) Flow: **700** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1146 | 89.91 | 330 (5 min) |
| Adjust Purging: | — | — | — |
| Begin Scan: | 1151 | 90.13 | 330 |
| Complete Scan: | 1159 | 90.18 | 330 |
| Collect Samples: | 1203 | | |
| Complete Samples: | 1219 | 90.14 | 260 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.94 | 0.863 | 6.61 | 7.19 | 415 | 0.0 | |
| 2:00 | 22.26 | 0.815 | 4.72 | 7.04 | 422 | 0.0 | |
| 4:00 | 21.88 | 0.788 | 3.28 | 6.96 | 423 | 0.0 | |
| 6:00 | 21.90 | 0.780 | 3.02 | 6.95 | 422 | 0.0 | |
| 8:00 | 21.82 | 0.771 | 3.05 | 6.97 | 421 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-7

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/23/25

Initial DTW (Date/Time): 33.83 (4/21/25 948) Syst. Vol: 866 (ml)

**Initial Setup:** Controller ID: 10272 Pressure: 35 (psi) Flow: 450 (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 926 | 33.87 | 500 | |
| Adjust Purging: | 927 | 34.02 | 350 | (3 min) |
| Begin Scan: | 931 | 34.03 | 310 | |
| Complete Scan: | 941 | 34.05 | 340 | |
| Collect Samples: | 944 | | | |
| Complete Samples: | 956 | 34.05 | 310 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.15 | 1.78 | 5.44 | 7.21 | 397 | 28.4 | |
| 2:00 | 20.50 | 1.81 | 4.20 | 7.25 | 395 | 30.4 | |
| 4:00 | 20.66 | 1.82 | 3.54 | 7.30 | 393 | 32.2 | |
| 6:00 | 20.76 | 1.82 | 3.32 | 7.34 | 391 | 31.6 | |
| 8:00 | 20.84 | 1.82 | 3.19 | 7.36 | 390 | 31.5 | |
| 10:00 | 20.89 | 1.82 | 3.20 | 7.38 | 389 | 31.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-8

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/22/25

Initial DTW (Date/Time): 181.04 (4/21/25 928) Syst. Vol: **3036** (ml)

**Initial Setup:** Controller ID: **82** Pressure: **145** (psi) Flow: **225** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 739 | 181.05 | 300 | |
| Adjust Purging: | 940 | 181.10 | 200 | (15 min) |
| Begin Scan: | 955 | 181.64 | 180 | |
| Complete Scan: | 1007 | 182.26 | 200 | |
| Collect Samples: | 1010 | QCFB: 1012 | | |
| Complete Samples: | 1033 | 182.86 | 180 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.95 | 4.94 | 3.58 | 6.65 | 336 | 8.8 | |
| 2:00 | 22.01 | 4.96 | 2.98 | 6.60 | 325 | 7.2 | |
| 4:00 | 22.03 | 4.96 | 2.69 | 6.58 | 310 | 6.0 | |
| 6:00 | 22.08 | 4.96 | 2.41 | 6.56 | 291 | 5.7 | |
| 8:00 | 22.13 | 4.96 | 2.16 | 6.56 | 268 | 4.4 | |
| 10:00 | 22.17 | 4.96 | 2.08 | 6.56 | 250 | 3.9 | |
| 12:00 | 22.23 | 4.95 | 2.02 | 6.56 | 227 | 4.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-9

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/22/25

Initial DTW (Date/Time): 232.91 (4/21/25 922) Syst. Vol: **2860** (ml)

**Initial Setup:** Controller ID: **81** Pressure: **140**(psi)(psi) Flow: **180** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1104 | 232.86 | 400 |
| Adjust Purging: | 1107 | 233.04 | 160 (8 min) |
| Begin Scan: | 1125 | 233.04 | 150 |
| Complete Scan: | 1129 | 233.06 | 150 |
| Collect Samples: | 1132 | | |
| Complete Samples: | 1158 | 233.10 | 140 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.33 | 2.01 | 3.20 | 7.29 | 236 | 0.0 | |
| 2:00 | 23.25 | 2.00 | 3.18 | 7.35 | 239 | 0.0 | |
| 4:00 | 23.31 | 2.00 | 3.13 | 7.37 | 242 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-12

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/23/25

Initial DTW (Date/Time): 104.59 (4/21/25 9:44) Syst. Vol: **1543** (ml)

**Initial Setup:** Controller ID: ~~105~~ 76 Pressure: **65** (psi) Flow: **210** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 825 | 104.63 | 350 | |
| Adjust Purging: | 828 | 104.74 | 190 | (8 min) |
| Begin Scan: | 836 | 104.79 | 190 | |
| Complete Scan: | 844 | 104.91 | 190 | |
| Collect Samples: | 847 | | | |
| Complete Samples: | 909 | 105.08 | 170 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.27 | 1.59 | 6.51 | 7.29 | 366 | 44.0 | |
| 2:00 | 20.45 | 1.59 | 6.15 | 7.13 | 381 | 46.9 | |
| 4:00 | 20.58 | 1.59 | 5.93 | 7.04 | 389 | 46.1 | |
| 6:00 | 20.68 | 1.58 | 6.04 | 7.01 | 393 | 44.5 | |
| 8:00 | 20.69 | 1.58 | 5.91 | 6.97 | 396 | 41.7 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-14

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/24/25

Initial DTW (Date/Time): 218.84 (4/21/25 1104) Syst. Vol: **2816** (ml)

**Initial Setup:** Controller ID: **78** Pressure: **135** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 953 | 218.89 | 230 |
| Adjust Purging: | 955 | 219.13 | 150 (19 min) |
| Begin Scan: | 1014 | 219.95 | 150 |
| Complete Scan: | 1024 | 220.33 | 150 |
| Collect Samples: | 1027 | | |
| Complete Samples: | 1055 | 220.85 | 150 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.40 | 0.730 | 3.53 | 7.53 | 382 | 28.4 | |
| 2:00 | 20.46 | 0.730 | 3.23 | 7.73 | 375 | 24.1 | |
| 4:00 | 20.54 | 0.731 | 2.99 | 7.91 | 368 | 19.9 | |
| 6:00 | 20.62 | 0.731 | 2.79 | 7.99 | 365 | 18.8 | |
| 8:00 | 20.65 | 0.731 | 2.72 | 8.04 | 362 | 17.6 | |
| 10:00 | 20.78 | 0.730 | 2.63 | 8.07 | 360 | 17.4 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-15

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/24/25

Initial DTW (Date/Time): 140.61 (4/21/24 1024) Syst. Vol: **1781** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **90** (psi) Flow: **600** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1206 | 140.68 | 300 (6 min) |
| Adjust Purging: | — | — | — |
| Begin Scan: | 1212 | 140.79 | 300 |
| Complete Scan: | 1220 | 140.79 | 260 |
| Collect Samples: | 1223 | QC#0: 1225 | |
| Complete Samples: | 1239 | 140.75 | 240 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 25.54 | 2.85 | 2.06 | 6.59 | 382 | 8.2 | |
| 2:00 | 25.51 | 2.91 | 1.65 | 6.60 | 371 | 1.3 | |
| 4:00 | 25.34 | 2.92 | 1.43 | 6.58 | 326 | 0.0 | |
| 6:00 | 25.32 | 2.92 | 1.36 | 6.64 | 285 | 0.0 | |
| 8:00 | 25.25 | 2.92 | 1.31 | 6.68 | 243 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-16

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/28/25

Initial DTW (Date/Time): 182.80 (4/21/25 1040) Syst. Vol: **2363** (ml)

**Initial Setup:** Controller ID: **107** 78 Pressure: **120** (psi) Flow: **520** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1044 | 182.95 | 450 |
| Adjust Purging: | 1045 | 183.02 | 300 (8 min) |
| Begin Scan: | 1053 | 183.02 | 300 |
| Complete Scan: | 1105 | 183.08 | 300 |
| Collect Samples: | 1108 | | |
| Complete Samples: | 1123 | 183.02 | 260 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 25.54 | 1.18 | 3.49 | 6.84 | 413 | 13.6 | |
| 2:00 | 25.57 | 1.18 | 2.60 | 6.92 | 408 | 6.7 | |
| 4:00 | 25.59 | 1.19 | 2.19 | 7.03 | 399 | 3.5 | |
| 6:00 | 25.61 | 1.19 | 2.04 | 7.15 | 394 | 3.8 | |
| 8:00 | 25.64 | 1.19 | 1.86 | 7.27 | 388 | 4.8 | |
| 10:00 | 25.67 | 1.19 | 1.75 | 7.31 | 387 | 5.8 | |
| 12:00 | 25.69 | 1.19 | 1.74 | 7.34 | 384 | 6.2 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-17

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/24/25

Initial DTW (Date/Time): 141.54 (4/10/25 1046) Syst. Vol: **2227** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **110** (psi) Flow: **130** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 822 | 141.60 | 200 |
| Adjust Purging: | 824 | 141.66 | 125 (150 ml/min) |
| Begin Scan: | 842 | 142.07 | 125 |
| Complete Scan: | 854 | 142.12 | 120 |
| Collect Samples: | 857 | | |
| Complete Samples: | 935 | 142.12 | 100 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.06 | 1.20 | 4.80 | 7.70 | 359 | 34.2 | |
| 2:00 | 20.23 | 1.20 | 4.36 | 7.76 | 355 | 32.3 | |
| 4:00 | 20.26 | 1.21 | 3.99 | 7.87 | 352 | 30.8 | |
| 6:00 | 20.48 | 1.21 | 3.83 | 7.96 | 349 | 28.3 | |
| 8:00 | 20.53 | 1.21 | 3.57 | 8.02 | 348 | 27.2 | |
| 10:00 | 20.75 | 1.21 | 3.44 | 8.05 | 346 | 25.9 | |
| 12:00 | 20.71 | 1.21 | 3.39 | 8.09 | 345 | 23.9 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-18

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/23/25

Initial DTW (Date/Time): 60.02 (4/21/25 1004) Syst. Vol: **1059** (ml)

**Initial Setup:** Controller ID: **101** 72 Pressure: **40** (psi) Flow: **320** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1022 | 60.12 | 120 |
| Adjust Purging: | 1024 | 60.18 | 300 (4 min) |
| Begin Scan: | 1028 | 60.22 | 280 |
| Complete Scan: | 1040 | 60.41 | 280 |
| Collect Samples: | 1043 | | |
| Complete Samples: | 1058 | 60.48 | 225 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.32 | 1.61 | 5.49 | 7.40 | 385 | 21.4 | |
| 2:00 | 19.60 | 1.54 | 4.22 | 7.27 | 390 | 21.0 | |
| 4:00 | 19.76 | 1.53 | 3.60 | 7.21 | 392 | 21.0 | |
| 6:00 | 19.80 | 1.52 | 3.18 | 7.17 | 394 | 20.1 | |
| 8:00 | 19.87 | 1.51 | 3.02 | 7.15 | 394 | 19.5 | |
| 10:00 | 19.89 | 1.51 | 2.89 | 7.13 | 395 | 17.6 | |
| 12:00 | 19.87 | 1.51 | 2.82 | 7.13 | 395 | 16.8 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-21

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/23/25

Initial DTW (Date/Time): 60.37 (4/21/25 1008) Syst. Vol: **1355** (ml)

**Initial Setup:** Controller ID: ~~99~~ 70 Pressure: **65** (psi) Flow: **120** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1109 | 60.44 | 300 | |
| Adjust Purging: | 1112 | 60.65 | 115 | (12 min) |
| Begin Scan: | 1124 | 61.02 | 105 | |
| Complete Scan: | — passive sampling — | | | |
| Collect Samples: | 1127 | | | |
| Complete Samples: | 1159 | 62.18 | 110 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0100 | 18.99 | 0.839 | 4.62 | 7.62 | 381 | 14.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-28

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/22/25

Initial DTW (Date/Time): 332.92 (4/21/25 857) Syst. Vol: **3909** (ml)

**Initial Setup:** Controller ID: **52** Pressure: **175** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 756 | 332.93 | 100 |
| Adjust Purging: | 759 | 332.95 | 150 (26 min) |
| Begin Scan: | 825 | 333.14 | 130 |
| Complete Scan: | 833 | 333.23 | 150 |
| Collect Samples: | 837 | | |
| Complete Samples: | 904 | 333.35 | 135 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.55 | 1.75 | 2.80 | 6.86 | 265 | 14.4 | |
| 2:00 | 19.66 | 1.74 | 2.57 | 6.93 | 254 | 12.6 | |
| 4:00 | 19.78 | 1.74 | 2.33 | 7.00 | 249 | 11.8 | |
| 6:00 | 19.83 | 1.74 | 2.23 | 7.06 | 246 | 9.4 | |
| 8:00 | 19.67 | 1.75 | 2.16 | 7.04 | 244 | 8.7 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-29

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/22/25

Initial DTW (Date/Time): 46.77 (4/21/25 935) Syst. Vol: **1165** (ml)

**Initial Setup:** Controller ID: **103** Pressure: **40** (psi) Flow: **350** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1220 | 46.72 | 700 |
| Adjust Purging: | 1221 | 46.80 | 350 (4 min.) |
| Begin Scan: | 1225 | 46.79 | 300 |
| Complete Scan: | 1235 | 46.80 | 300 |
| Collect Samples: | 1238 | | |
| Complete Samples: | 1253 | 46.79 | 260 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.10 | 1.51 | 3.37 | 7.03 | 343 | 0.0 | |
| 2:00 | 22.31 | 1.51 | 2.75 | 6.90 | 346 | 0.0 | |
| 4:00 | 21.55 | 1.52 | 2.46 | 6.84 | 345 | 0.0 | |
| 6:00 | 21.35 | 1.52 | 2.29 | 6.80 | 345 | 0.0 | |
| 8:00 | 21.15 | 1.52 | 2.22 | 6.78 | 344 | 0.0 | |
| 10:00 | 21.21 | 1.53 | 2.15 | 6.77 | 343 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-30

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/24/25

Initial DTW (Date/Time): 140.64 ~~141.54~~ (4/21/25 ~~1016~~ 1019) Syst. Vol: **1842** (ml)

**Initial Setup:** Controller ID: **76** Pressure: **78** (psi) Flow: **315** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1114 | ~~141.03~~ 140.53 | 430 | |
| Adjust Purging: | 1117 | 140.97 | 390 | (6 min) |
| Begin Scan: | 1123 | 140.99 | 280 | |
| Complete Scan: | 1131 | 141.04 | 300 | |
| Collect Samples: | 1134 | | | |
| Complete Samples: | 1148 | 141.13 | 290 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.75 | 1.24 | 2.16 | 7.39 | 385 | 14.7 | |
| 2:00 | 22.94 | 1.25 | 1.77 | 7.29 | 376 | 15.5 | |
| 4:00 | 23.14 | 1.24 | 1.57 | 7.23 | 365 | 14.0 | |
| 6:00 | 23.23 | 1.23 | 1.49 | 7.21 | 358 | 12.0 | |
| 8:00 | 23.32 | 1.22 | 1.41 | 7.19 | 351 | 10.9 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-31

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/25/25

Initial DTW (Date/Time): 55.63 (4/21/25 959) Syst. Vol: **1068** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **38** (psi) Flow: **420** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 852 | 55.83 | 450 | |
| Adjust Purging: | 854 | 55.91 | 300 | (4 min) |
| Begin Scan: | 859 | 55.91 | 280 | |
| Complete Scan: | 909 | 55.90 | 300 | |
| Collect Samples: | 912 | OCFB: 914 | | |
| Complete Samples: | 928 | 5589 | 250 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 17.29 | 1.90 | 6.12 | 7.44 | 395 | 40.8 | |
| 2:00 | 17.75 | 1.90 | 5.08 | 6.97 | 440 | 52.9 | |
| 4:00 | 17.93 | 1.89 | 4.54 | 6.75 | 456 | 55.4 | |
| 6:00 | 18.16 | 1.88 | 4.20 | 6.72 | 464 | 54.9 | |
| 8:00 | 18.33 | 1.88 | 4.08 | 6.67 | 470 | 52.2 | |
| 10:00 | 18.34 | 1.88 | 3.89 | 6.66 | 473 | 48.3 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** PZ-4

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 4/23/25

Initial DTW (Date/Time): 74.47 (4/21/25 1113) Syst. Vol: **1508** (ml)

**Initial Setup:** Controller ID: **103** Pressure: **70** (psi) Flow: **440** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1229 | 74.50 | 420 | |
| Adjust Purging: | 1231 | 75.18 | 260 | (6 min.) |
| Begin Scan: | 1237 | 75.54 | 260 | |
| Complete Scan: | 1247 | 75.61 | 260 | |
| Collect Samples: | 1250 | QCFB: 1253 | | |
| Complete Samples: | 1306 | 75.53 | 260 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 19.64 | 1.14 | 3.27 | 7.14 | 415 | 15.5 | |
| 2:00 | 19.75 | 1.15 | 2.73 | 7.02 | 418 | 15.4 | |
| 4:00 | 19.89 | 1.15 | 2.48 | 6.94 | 419 | 15.1 | |
| 6:00 | 19.92 | 1.14 | 2.23 | 6.89 | 420 | 15.9 | |
| 8:00 | 20.00 | 1.14 | 2.24 | 6.86 | 421 | 15.5 | |
| 10:00 | 20.06 | 1.14 | 2.39 | 6.84 | 421 | 15.7 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-1

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/15/25

Initial DTW (Date/Time): 49.84 (5/15/25 756) Syst. Vol: **1217** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **50** (psi) Flow: **920** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 807 | 49.84 | 550 |
| Adjust Purging: | 809 | 50.13 | 350 (4 min) |
| Begin Scan: | 814 | 50.23 | 350 |
| Complete Scan: | 826 | 50.25 | 320 |
| Collect Samples: | 829 | | |
| Complete Samples: | 842 | 50.27 | 280 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 2:00 | 21.33 | 1.53 | 3.63 | 7.60 | 363 | 46.6 | |
| 2:00 | 22.34 | 1.49 | 2.71 | 7.23 | 388 | 71.3 | |
| 4:00 | 22.46 | 1.48 | 2.43 | 7.11 | 393 | 78.5 | |
| 6:00 | 22.75 | 1.47 | 2.19 | 7.01 | 398 | 78.4 | |
| 8:00 | 22.82 | 1.47 | 2.04 | 6.94 | 399 | 75.7 | |
| 10:00 | 22.66 | 1.47 | 1.95 | 6.91 | 402 | 72.9 | |
| 12:00 | 22.71 | 1.46 | 1.88 | 6.91 | 401 | 69.7 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-3

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/15/25

Initial DTW (Date/Time): 89.86 (5/15/25 1100) Syst. Vol: **1549** (ml)

**Initial Setup:** Controller ID: **72** Pressure: **75** (psi) Flow: **700** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1108 | 89.86 | 450 | |
| Adjust Purging: | 1110 | 90.02 | 300 | (5 min) |
| Begin Scan: | 1115 | 90.04 | 240 | |
| Complete Scan: | 1123 | 90.07 | 250 | |
| Collect Samples: | 1126 | | | |
| Complete Samples: | 1144 | 90.07 | 250 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.07 | 0.854 | 3.78 | 6.80 | 407 | 0.0 | |
| 2:00 | 22.62 | 0.808 | 2.87 | 6.69 | 409 | 0.0 | |
| 4:00 | 22.47 | 0.804 | 2.62 | 6.65 | 410 | 0.0 | |
| 6:00 | 22.54 | 0.793 | 2.47 | 6.63 | 410 | 0.0 | |
| 8:00 | 22.33 | 0.788 | 2.50 | 6.60 | 410 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-7

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/13/25

Initial DTW (Date/Time): 33.95 (5/13/25 913) Syst. Vol: **866** (ml)

**Initial Setup:** Controller ID: **102** 72 Pressure: **35** (psi) Flow: **450** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 918 | 33.95 | 600 | |
| Adjust Purging: | 919 | 34.09 | 350 | (3 min) |
| Begin Scan: | 922 | 34.28 | 350 | |
| Complete Scan: | 932 | 34.22 | 360 | |
| Collect Samples: | 935 | QCFB: 938 | | |
| Complete Samples: | 947 | 34.18 | 360 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.78 | 1.76 | 5.66 | 7.73 | 367 | 27.5 | |
| 2:00 | 21.77 | 1.80 | 4.07 | 7.82 | 363 | 24.0 | |
| 4:00 | 21.82 | 1.81 | 3.71 | 7.88 | 361 | 21.0 | |
| 6:00 | 21.85 | 1.81 | 3.42 | 7.90 | 359 | 18.5 | |
| 8:00 | 21.83 | 1.81 | 3.25 | 7.92 | 359 | 16.2 | |
| 10:00 | 21.85 | 1.81 | 3.24 | 7.94 | 356 | 14.3 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-8

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/12/25

Initial DTW (Date/Time): 181.03 (5/12/25 1009) Syst. Vol: **3036** (ml)

**Initial Setup:** Controller ID: **82** Pressure: **145** (psi) Flow: **225** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1024 | 181.03 | 320 |
| Adjust Purging: | 1026 | 181.14 | 200 (16 min) |
| Begin Scan: | 1042 | 181.65 | 200 |
| Complete Scan: | 1052 | 182.14 | 180 |
| Collect Samples: | 1055 | QCFB: 1057 | |
| Complete Samples: | 1118 | 182.76 | 200 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.96 | 4.96 | 3.63 | 6.85 | 375 | 0.0 | |
| 2:00 | 23.13 | 4.96 | 3.14 | 6.77 | 375 | 0.0 | |
| 4:00 | 23.02 | 4.97 | 2.80 | 6.72 | 372 | 0.0 | |
| 6:00 | 22.92 | 4.98 | 2.46 | 6.68 | 368 | 0.0 | |
| 8:00 | 22.96 | 4.99 | 2.40 | 6.66 | 364 | 0.0 | |
| 10:00 | 22.90 | 5.00 | 2.32 | 6.64 | 359 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-9

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/12/25

Initial DTW (Date/Time): 232.82 (5/12/25 1150) Syst. Vol: **2860** (ml)

**Initial Setup:** Controller ID: **81** Pressure: **140**(psi)(psi) Flow: **180** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1153 | 232.82 | 350 | |
| Adjust Purging: | 1156 | 232.98 | 175 | (17 min) |
| Begin Scan: | 1213 | 233.15 | 170 | |
| Complete Scan: | 1217 | 233.13 | 170 | |
| Collect Samples: | 1220 | | | |
| Complete Samples: | 1246 | 233.16 | 170 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.71 | 2.03 | 2.97 | 7.31 | 259 | 0.0 | |
| 2:00 | 23.59 | 2.03 | 2.92 | 7.34 | 260 | 0.0 | |
| 4:00 | 24.06 | 2.00 | 2.86 | 7.37 | 263 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-12

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/13/25

Initial DTW (Date/Time): 104.77 (5/13/25 807) Syst. Vol: **1543** (ml)

**Initial Setup:** Controller ID: ~~105~~ 76 Pressure: **65** (psi) Flow: **210** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 818 | 104.77 | 300 | |
| Adjust Purging: | 820 | 104.90 | 180 | (3 min) |
| Begin Scan: | 829 | 104.96 | 180 | |
| Complete Scan: | 835 | 105.08 | 200 | |
| Collect Samples: | 838 | | | |
| Complete Samples: | 902 | 105.14 | 160 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.90 | 1.58 | 6.74 | 7.44 | 356 | 42.6 | |
| 2:00 | 21.19 | 1.58 | 6.33 | 7.42 | 362 | 43.9 | |
| 4:00 | 21.42 | 1.58 | 6.14 | 7.44 | 363 | 43.7 | |
| 6:00 | 21.41 | 1.58 | 6.19 | 7.43 | 366 | 42.1 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID: DW-14**

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/14/25

Initial DTW (Date/Time): 219.03 (5/14/25 814) Syst. Vol: **2816** (ml)

**Initial Setup:** Controller ID: **78** Pressure: **135** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 827 | 219.03 | 225 | |
| Adjust Purging: | 828 | 219.16 | 150 | (19 min) |
| Begin Scan: | 847 | 219.96 | 150 | |
| Complete Scan: | 901 | 220.36 | 140 | |
| Collect Samples: | 904 | | | |
| Complete Samples: | 932 | 220.89 | 140 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 17.58 | 0.739 | 5.90 | 7.35 | 383 | 31.3 | |
| 2:00 | 17.71 | 0.740 | 5.35 | 7.43 | 380 | 33.2 | |
| 4:00 | 17.87 | 0.741 | 4.92 | 7.53 | 373 | 32.8 | |
| 6:00 | 17.99 | 0.742 | 4.58 | 7.61 | 369 | 29.2 | |
| 8:00 | 18.14 | 0.742 | 4.39 | 7.65 | 364 | 26.3 | |
| 10:00 | 18.26 | 0.742 | 4.04 | 7.68 | 361 | 24.0 | |
| 12:00 | 18.42 | 0.739 | 3.82 | 7.67 | 359 | 21.5 | |
| 14:00 | 18.51 | 0.738 | 3.76 | 7.69 | 357 | 20.5 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-15

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/14/25

Initial DTW (Date/Time): 140.77 (5/14/25 1221) Syst. Vol: **1781** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **90** (psi) Flow: **600** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1228 | 140.77 | 330 (6 min) |
| Adjust Purging: | — | — | — |
| Begin Scan: | 1234 | 140.97 | 330 |
| Complete Scan: | 1242 | 140.97 | 330 |
| Collect Samples: | 1246 | | |
| Complete Samples: | 1259 | 140.96 | 300 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 25.14 | 2.93 | 2.03 | 6.45 | 436 | 0.0 | |
| 2:00 | 25.13 | 2.96 | 1.83 | 6.41 | 409 | 0.0 | |
| 4:00 | 24.90 | 2.98 | 1.71 | 6.40 | 383 | 0.0 | |
| 6:00 | 24.91 | 2.99 | 1.59 | 6.42 | 351 | 0.0 | |
| 8:00 | 24.86 | 3.00 | 1.53 | 6.42 | 316 | 0.0 | |
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**Wellhead Inspection:**

☐ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-16

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/15/25

Initial DTW (Date/Time): 182.95 (5/15/25 954) Syst. Vol: **2363** (ml)

**Initial Setup:** Controller ID: **107** 78 Pressure: **120** (psi) Flow: **520** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1002 | 182.95 | 450 |
| Adjust Purging: | 1004 | 183.02 | 300 (8 min) |
| Begin Scan: | 1012 | 183.03 | 340 |
| Complete Scan: | 1024 | 183.08 | 340 |
| Collect Samples: | 1027 | | |
| Complete Samples: | 1041 | 183.06 | 300 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 24.90 | 1.24 | 2.91 | 7.07 | 339 | 0.0 | |
| 2:00 | 24.67 | 1.24 | 2.58 | 7.05 | 334 | 0.0 | |
| 4:00 | 24.52 | 1.24 | 2.25 | 7.24 | 329 | 0.0 | |
| 6:00 | 24.25 | 1.25 | 2.05 | 7.31 | 326 | 0.0 | |
| 8:00 | 24.32 | 1.24 | 1.90 | 7.34 | 325 | 0.0 | |
| 10:00 | 24.31 | 1.24 | 1.80 | 7.36 | 324 | 0.0 | |
| 12:00 | 24.30 | 1.24 | 1.77 | 7.36 | 324 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-17

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/14/25

Initial DTW (Date/Time): 141.65 (5/14/25 1046) Syst. Vol: **2227** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **110** (psi) Flow: **130** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1055 | 141.65 | 280 |
| Adjust Purging: | 1058 | 141.83 | 130 (17 mL) |
| Begin Scan: | 1115 | 142.13 | 130 |
| Complete Scan: | 1123 | 142.21 | 110 |
| Collect Samples: | 1126 | QCFB: 1129 | |
| Complete Samples: | 1204 | 142.19 | 100 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.30 | 1.19 | 3.83 | 7.71 | 368 | 0.0 | |
| 2:00 | 23.22 | 1.20 | 3.48 | 7.86 | 359 | 0.0 | |
| 4:00 | 23.34 | 1.19 | 3.22 | 7.94 | 356 | 0.0 | |
| 6:00 | 23.31 | 1.20 | 3.12 | 8.01 | 352 | 0.0 | |
| 8:00 | 23.37 | 1.20 | 3.04 | 8.04 | 350 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-18

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/13/25

Initial DTW (Date/Time): 60.20 (5/13/25 1012) Syst. Vol: **1059** (ml)

**Initial Setup:** Controller ID: **101** 72 Pressure: **40** (psi) Flow: **320** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1018 | 60.20 | 280 | (4 min) |
| Adjust Purging: | — | — | — | |
| Begin Scan: | 1022 | 60.31 | 280 | |
| Complete Scan: | 1034 | 60.49 | 280 | |
| Collect Samples: | 1037 | | | |
| Complete Samples: | 1053 | 60.54 | 260 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.83 | 1.65 | 5.58 | 7.86 | 361 | 12.4 | |
| 2:00 | 22.06 | 1.57 | 4.40 | 7.72 | 368 | 0.0 | |
| 4:00 | 21.72 | 1.52 | 3.79 | 7.63 | 373 | 0.0 | |
| 6:00 | 21.47 | 1.52 | 3.30 | 7.56 | 376 | 0.0 | |
| 8:00 | 21.40 | 1.52 | 3.09 | 7.53 | 378 | 0.0 | |
| 10:00 | 21.28 | 1.52 | 2.87 | 7.50 | 380 | 0.0 | |
| 12:00 | 21.29 | 1.52 | 2.83 | 7.49 | 381 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-21

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/13/25

Initial DTW (Date/Time): 61.18 (5/12/25 1059) Syst. Vol: **1355** (ml)

**Initial Setup:** Controller ID: ~~99~~ 70 Pressure: **65** (psi) Flow: **120** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1102 | 61.18 | 200 | |
| Adjust Purging: | 1104 | 61.37 | 110 | (13 min) |
| Begin Scan: | 1117 | 61.85 | 100 | |
| Complete Scan: | — passive | sampling — | — | |
| Collect Samples: | 1120 | | | |
| Complete Samples: | 1154 | 62.99 | 110 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.85 | 0.818 | 4.65 | 8.01 | 362 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-28

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/12/25

Initial DTW (Date/Time): 332.93 (5/12/25 828) Syst. Vol: **3909** (ml)

**Initial Setup:** Controller ID: **52** Pressure: **175** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 837 | 332.93 | 200 |
| Adjust Purging: | 839 | 332.95 | 140 (28 min) |
| Begin Scan: | 907 | 333.19 | 150 |
| Complete Scan: | 919 | 333.18 | 140 |
| Collect Samples: | 922 | | |
| Complete Samples: | 949 | 333.36 | 140 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.04 | 1.75 | 2.99 | 7.52 | 295 | 13.3 | |
| 2:00 | 22.03 | 1.76 | 2.55 | 7.61 | 279 | 12.8 | |
| 4:00 | 22.02 | 1.76 | 2.33 | 7.59 | 271 | 12.8 | |
| 6:00 | 21.98 | 1.76 | 2.24 | 7.65 | 268 | 12.7 | |
| 8:00 | 22.04 | 1.77 | 2.01 | 7.74 | 266 | 12.6 | |
| 10:00 | 22.02 | 1.77 | 1.93 | 7.76 | 267 | 12.2 | |
| 12:00 | 22.07 | 1.76 | 1.91 | 7.79 | 268 | 12.5 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-29

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/13/25

Initial DTW (Date/Time): 47.42 (5/13/25 1205) Syst. Vol: **1165** (ml)

**Initial Setup:** Controller ID: 74 ~~103~~ Pressure: **40** (psi) Flow: **350** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1213 | 47.42 | 450 | |
| Adjust Purging: | 1215 | 47.44 | 300 | (4 min) |
| Begin Scan: | 1219 | 47.44 | 300 | |
| Complete Scan: | 1231 | 47.44 | 300 | |
| Collect Samples: | 1235 | | | |
| Complete Samples: | 1250 | 47.44 | 260 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.26 | 1.40 | 4.14 | 7.43 | 398 | 3.1 | |
| 2:00 | 20.59 | 1.51 | 3.53 | 7.22 | 407 | 0.0 | |
| 4:00 | 20.45 | 1.53 | 3.11 | 7.07 | 413 | 0.0 | |
| 6:00 | 20.34 | 1.54 | 2.92 | 6.98 | 416 | 0.0 | |
| 8:00 | 20.44 | 1.54 | 2.64 | 6.91 | 420 | 0.0 | |
| 10:00 | 20.39 | 1.54 | 2.55 | 6.86 | 423 | 0.0 | |
| 12:00 | 20.38 | 1.54 | 2.57 | 6.84 | 426 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-30

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/15/25

Initial DTW (Date/Time): 140.69 (5/15/25 856) Syst. Vol: **1842** (ml)

**Initial Setup:** Controller ID: **76** Pressure: **78** (psi) Flow: **315** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 905 | 140.69 | 250 | (8 min) |
| Adjust Purging: | — | — | — | |
| Begin Scan: | 913 | 140.97 | 250 | |
| Complete Scan: | 921 | 141.04 | 270 | |
| Collect Samples: | 924 | QCFB: 926 | | |
| Complete Samples: | 941 | 141.02 | 240 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.65 | 1.30 | 2.46 | 7.12 | 373 | 36.4 | |
| 2:00 | 22.78 | 1.29 | 2.06 | 7.13 | 367 | 35.4 | |
| 4:00 | 22.87 | 1.28 | 1.87 | 7.14 | 358 | 34.0 | |
| 6:00 | 22.94 | 1.26 | 1.74 | 7.15 | 349 | 32.7 | |
| 8:00 | 22.96 | 1.26 | 1.69 | 7.15 | 344 | 31.2 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-31

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/12/25

Initial DTW (Date/Time): 56.20 (5/12/25 1258) Syst. Vol: **1068** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **38** (psi) Flow: **420** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1306 | 56.20 | 475 | |
| Adjust Purging: | 1308 | 56.31 | 350 | (4 min) |
| Begin Scan: | 1312 | 56.29 | 350 | |
| Complete Scan: | 1322 | 56.30 | 350 | |
| Collect Samples: | 1326 | | | |
| Complete Samples: | 1339 | 56.30 | 350 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.20 | 1.73 | 3.80 | 6.63 | 389 | 0.0 | |
| 2:00 | 21.40 | 1.72 | 3.72 | 6.52 | 399 | 0.0 | |
| 4:00 | 21.16 | 1.72 | 3.51 | 6.47 | 400 | 0.0 | |
| 6:00 | 20.48 | 1.73 | 3.15 | 6.35 | 401 | 0.0 | |
| 8:00 | 20.73 | 1.73 | 3.13 | 6.31 | 402 | 0.0 | |
| 10:00 | 20.53 | 1.75 | 3.13 | 6.28 | 404 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** PZ-4

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 5/14/25

Initial DTW (Date/Time): 74.57 (5/14/25 953) Syst. Vol: **1508** (ml)

**Initial Setup:** Controller ID: **103** 74 Pressure: **70** (psi) Flow: **440** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1000 | 74.57 | 600 | |
| Adjust Purging: | 1002 | 75.21 | 350 | (5 min) |
| Begin Scan: | 1007 | 75.68 | 300 | |
| Complete Scan: | 1017 | 75.82 | 350 | |
| Collect Samples: | 1020 | | | |
| Complete Samples: | 1033 | 75.77 | 280 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.04 | 1.06 | 4.41 | 7.36 | 398 | 11.3 | |
| 2:00 | 21.09 | 1.11 | 3.34 | 7.16 | 405 | 9.5 | |
| 4:00 | 21.14 | 1.14 | 2.69 | 6.98 | 411 | 10.5 | |
| 6:00 | 21.16 | 1.14 | 2.57 | 6.95 | 412 | 10.6 | |
| 8:00 | 21.16 | 1.14 | 2.47 | 6.93 | 413 | 8.9 | |
| 10:00 | 21.20 | 1.14 | 2.42 | 6.92 | 414 | 9.7 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-1

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/12/25

Initial DTW (Date/Time): 51.37 (6/12/25 802) Syst. Vol: **1217** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **50** (psi) Flow: **920** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 808 | 51.37 | 500 | |
| Adjust Purging: | 811 | 51.64 | 350 | (4 min) |
| Begin Scan: | 815 | 51.75 | 280 | |
| Complete Scan: | 825 | 51.78 | 350 | |
| Collect Samples: | 828 | QCFB: 841 | | |
| Complete Samples: | 847 | 51.76 | 300 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.94 | 1.47 | 5.24 | 7.63 | 305 | 31.6 | |
| 2:00 | 23.14 | 1.46 | 4.38 | 7.45 | 322 | 34.4 | |
| 4:00 | 23.21 | 1.44 | 3.88 | 7.39 | 326 | 35.2 | |
| 6:00 | 23.24 | 1.44 | 3.56 | 7.35 | 327 | 36.6 | |
| 8:00 | 23.30 | 1.43 | 3.40 | 7.33 | 328 | 35.1 | |
| 10:00 | 23.16 | 1.41 | 3.39 | 7.32 | 328 | 31.9 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-3

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/12/25

Initial DTW (Date/Time): 89.77 (6/12/25 1014) Syst. Vol: **1549** (ml)

**Initial Setup:** Controller ID: **72** Pressure: **75** (psi) Flow: **700** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1022 | 89.77 | 450 |
| Adjust Purging: | 1023 | 89.91 | 300 (5 min) |
| Begin Scan: | 1028 | 89.95 | 240 |
| Complete Scan: | 1040 | 89.96 | 240 |
| Collect Samples: | 1043 | | |
| Complete Samples: | 1103 | 89.93 | 200 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.77 | 0.855 | 6.67 | 7.57 | 375 | 14.0 | |
| 2:00 | 21.57 | 0.821 | 5.34 | 7.48 | 377 | 9.6 | |
| 4:00 | 21.65 | 0.809 | 4.41 | 7.42 | 377 | 9.4 | |
| 6:00 | 21.63 | 0.805 | 4.08 | 7.39 | 378 | 9.7 | |
| 8:00 | 21.64 | 0.799 | 3.87 | 7.39 | 376 | 10.3 | |
| 10:00 | 21.64 | 0.793 | 3.78 | 7.37 | 376 | 10.5 | |
| 12:00 | 21.66 | 0.788 | 3.76 | 7.35 | 376 | 11.1 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-7

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/9/25

Initial DTW (Date/Time): 34.28 (6/9/25 1218) Syst. Vol: **866** (ml)

**Initial Setup:** Controller ID: **72** Pressure: **35** (psi) Flow: **450** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1226 | 34.28 | 240 | (4 min) |
| Adjust Purging: | – | – | – | |
| Begin Scan: | 1231 | 34.40 | 240 | |
| Complete Scan: | 1239 | 34.45 | 240 | |
| Collect Samples: | 1242 | | | |
| Complete Samples: | 1305 | 34.42 | 200 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 30.71 | 1.59 | 3.75 | 6.35 | 474 | 18.4 | |
| 2:00 | 28.72 | 1.63 | 3.16 | 6.40 | 472 | 18.9 | |
| 4:00 | 27.14 | 1.66 | 2.91 | 6.39 | 474 | 23.3 | |
| 6:00 | 26.72 | 1.67 | 2.93 | 6.37 | 476 | 29.2 | |
| 8:00 | 26.28 | 1.68 | 2.86 | 6.35 | 477 | 35.4 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-8

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/10/25

Initial DTW (Date/Time): 181.14 (6/10/25 943) Syst. Vol: **3036** (ml)

**Initial Setup:** Controller ID: **82** Pressure: **145** (psi) Flow: **225** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 951 | 181.14 | 140 | |
| Adjust Purging: | 953 | 181.25 | 200 | (15 min) |
| Begin Scan: | 1008 | 181.81 | 180 | |
| Complete Scan: | 1018 | 182.27 | 180 | |
| Collect Samples: | 1021 | | | |
| Complete Samples: | 1043 | 182.96 | 170 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 24.03 | 4.83 | 3.92 | 6.72 | 301 | 13.8 | |
| 2:00 | 23.90 | 4.85 | 3.56 | 6.65 | 283 | 14.1 | |
| 4:00 | 24.05 | 4.84 | 3.37 | 6.58 | 258 | 14.3 | |
| 6:00 | 23.97 | 4.85 | 3.19 | 6.51 | 236 | 14.5 | |
| 8:00 | 24.04 | 4.84 | 3.04 | 6.47 | 220 | 13.0 | |
| 10:00 | 24.01 | 4.85 | 2.94 | 6.45 | 214 | 13.3 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-9

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/10/25

Initial DTW (Date/Time): 232.93 (6/10/25 1101) Syst. Vol: **2860** (ml)

**Initial Setup:** Controller ID: **81** Pressure: **140**(psi)(psi) Flow: **180** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1107 | 232.93 | 360 |
| Adjust Purging: | 1108 | 233.04 | 180 (16 min) |
| Begin Scan: | 1124 | 233.25 | 180 |
| Complete Scan: | 1128 | 233.27 | 170 |
| Collect Samples: | 1131 | QCFB: 1134 | |
| Complete Samples: | 1157 | 233.30 | 160 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.94 | 2.03 | 4.11 | 6.89 | 298 | 0.0 | |
| 2:00 | 23.49 | 2.02 | 4.08 | 6.91 | 300 | 0.0 | |
| 4:00 | 23.45 | 2.01 | 4.03 | 6.92 | 304 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-14

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/11/25

Initial DTW (Date/Time): 218.96 (6/11/25 1020) Syst. Vol: **2816** (ml)

**Initial Setup:** Controller ID: **78** Pressure: **135** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1037 | 218.96 | 210 |
| Adjust Purging: | 1039 | 219.10 | 130 (22 mL) |
| Begin Scan: | 1101 | 220.04 | 130 |
| Complete Scan: | 1109 | 220.31 | 130 |
| Collect Samples: | 1142 | | |
| Complete Samples: | 1143 | 220.74 | 110 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 2:00 | 21.75 | 0.733 | 4.20 | 7.41 | 356 | 23.3 | |
| 2:00 | 21.79 | 0.735 | 4.04 | 7.61 | 348 | 31.0 | |
| 4:00 | 21.84 | 0.736 | 3.80 | 7.74 | 343 | 27.2 | |
| 6:00 | 21.87 | 0.736 | 3.65 | 7.77 | 340 | 25.2 | |
| 8:00 | 21.89 | 0.736 | 3.59 | 7.82 | 336 | 23.1 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-12

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/9/25

Initial DTW (Date/Time): 104.73 (6/9/25 1103) Syst. Vol: **1543** (ml)

**Initial Setup:** Controller ID: **76** Pressure: **65** (psi) Flow: **210** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 1111 | 104.73 | 120 |
| Adjust Purging: | 1113 | 104.82 | 200 (8 min) |
| Begin Scan: | 1121 | 104.92 | 200 |
| Complete Scan: | 1125 | 105.05 | 200 |
| Collect Samples: | 1128 | | |
| Complete Samples: | 1205 | 105.19 | 160 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 24.09 | 1.55 | 5.84 | 6.42 | 450 | 0.0 | |
| 2:00 | 23.97 | 1.55 | 5.74 | 6.46 | 451 | 0.0 | |
| 4:00 | 23.88 | 1.55 | 5.60 | 6.47 | 453 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID: DW-15**

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/11/25

Initial DTW (Date/Time): 140.74 (6/11/25 705) Syst. Vol: **1781** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **90** (psi) Flow: **600** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 719 | 140.74 | 360 (5 min) |
| Adjust Purging: | — | — | — |
| Begin Scan: | 724 | 140.75 | 300 |
| Complete Scan: | 734 | 140.79 | 330 |
| Collect Samples: | 737 | | |
| Complete Samples: | 753 | 140.79 | 300 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.91 | 2.93 | 5.71 | 7.20 | 312 | 11.5 | |
| 2:00 | 23.97 | 2.98 | 4.41 | 6.84 | 329 | 9.8 | |
| 4:00 | 24.02 | 2.97 | 3.69 | 6.69 | 308 | 7.9 | |
| 6:00 | 23.95 | 2.96 | 3.55 | 6.67 | 291 | 8.3 | |
| 8:00 | 23.93 | 2.96 | 3.46 | 6.62 | 246 | 6.8 | |
| 10:00 | 23.94 | 2.96 | 3.42 | 6.61 | 221 | 6.7 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-16

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/12/25

Initial DTW (Date/Time): 182.90 (6/12/25 903) Syst. Vol: **2363** (ml)

**Initial Setup:** Controller ID: **78** Pressure: **120** (psi) Flow: **520** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 909 | 182.90 | 450 |
| Adjust Purging: | 910 | 183.05 | 300 (8 min) |
| Begin Scan: | 918 | 183.02 | 280 |
| Complete Scan: | 928 | 183.03 | 300 |
| Collect Samples: | 931 | | |
| Complete Samples: | 944 | 183.02 | 280 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.86 | 1.07 | 5.33 | 7.76 | 299 | 34.7 | |
| 2:00 | 23.74 | 0.754 | 4.30 | 8.05 | 333 | 34.6 | |
| 4:00 | 23.91 | 1.01 | 3.84 | 8.09 | 363 | 32.6 | |
| 6:00 | 23.78 | 0.799 | 3.57 | 8.30 | 324 | 32.1 | |
| 8:00 | 23.83 | 0.835 | 3.48 | 8.32 | 314 | 31.6 | |
| 10:00 | 23.80 | 0.841 | 3.41 | 8.31 | 332 | 30.9 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-17

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/11/25

Initial DTW (Date/Time): 141.54 (6/11/25 904) Syst. Vol: **2227** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **110** (psi) Flow: **130** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 907 | 141.54 | 220 | |
| Adjust Purging: | 911 | 141.73 | 120 | (19 min) |
| Begin Scan: | 930 | 141.95 | 110 | |
| Complete Scan: | 938 | 142.02 | 100 | |
| Collect Samples: | 941 | QCFB: 944 | | |
| Complete Samples: | 1018 | 142.04 | 100 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.36 | 1.16 | 4.97 | 7.92 | 281 | 7.5 | |
| 2:00 | 22.36 | 1.16 | 4.93 | 7.96 | 276 | 7.5 | |
| 4:00 | 22.35 | 1.17 | 4.60 | 8.07 | 271 | 7.8 | |
| 6:00 | 22.37 | 1.17 | 4.55 | 8.15 | 267 | 7.8 | |
| 8:00 | 22.39 | 1.17 | 4.47 | 8.17 | 264 | 7.6 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-18

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/9/25

Initial DTW (Date/Time): 60.73 (6/9/25 752) Syst. Vol: **1059** (ml)

**Initial Setup:** Controller ID: **72** Pressure: **40** (psi) Flow: **320** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 811 | 60.73 | 300 | (4 min) |
| Adjust Purging: | — | — | — | |
| Begin Scan: | 816 | 60.89 | 270 | |
| Complete Scan: | 824 | 60.98 | 270 | |
| Collect Samples: | 827 | | | |
| Complete Samples: | 842 | 61.03 | 270 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.65 | 1.50 | 6.20 | 6.91 | 417 | 0.0 | |
| 2:00 | 20.66 | 1.51 | 5.62 | 6.87 | 420 | 0.0 | |
| 4:00 | 20.64 | 1.51 | 4.99 | 6.76 | 423 | 0.0 | |
| 6:00 | 20.67 | 1.51 | 4.71 | 6.71 | 425 | 0.0 | |
| 8:00 | 20.64 | 1.51 | 4.62 | 6.68 | 427 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-21

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/9/25

Initial DTW (Date/Time): 62.28 (6/9/25 849) Syst. Vol: **1355** (ml)

**Initial Setup:** Controller ID: **70** Pressure: **65** (psi) Flow: **120** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 851 | 62.28 | 180 |
| Adjust Purging: | 854 | 62.43 | 120 (12 min) |
| Begin Scan: | 906 | 62.90 | 120 |
| Complete Scan: | — passive sampling — | | |
| Collect Samples: | 908 | | |
| Complete Samples: | 942 | 64.08 | 100 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0100 | 20.34 | 0.785 | 6.14 | 7.16 | 413 | 11.7 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-28

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/10/25

Initial DTW (Date/Time): 332.98 (6/10/25 812) Syst. Vol: **3909** (ml)

**Initial Setup:** Controller ID: **52** Pressure: **175** (psi) Flow: **150** (ml/min)

| | Time | Depth to Water | Flow (ml/min) |
|---|---|---|---|
| Begin Purging: | 818 | 332.98 | 150 (26 mm) |
| Adjust Purging: | – | – | – |
| Begin Scan: | 844 | 333.18 | 140 |
| Complete Scan: | 856 | 333.18 | 130 |
| Collect Samples: | 859 | | |
| Complete Samples: | 926 | 333.18 | 140 |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 21.79 | 1.75 | 4.70 | 7.64 | 303 | 32.3 | |
| 2:00 | 21.79 | 1.76 | 4.22 | 7.69 | 260 | 27.6 | |
| 4:00 | 21.78 | 1.76 | 3.91 | 7.75 | 232 | 23.5 | |
| 6:00 | 21.80 | 1.76 | 3.58 | 7.83 | 209 | 20.0 | |
| 8:00 | 21.81 | 1.76 | 3.36 | 7.80 | 197 | 17.6 | |
| 10:00 | 21.82 | 1.76 | 3.16 | 7.87 | 189 | 15.6 | |
| 12:00 | 21.83 | 1.76 | 3.09 | 7.90 | 187 | 14.8 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-29

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/10/25

Initial DTW (Date/Time): 49.60 (6/10/25 1212) Syst. Vol: **1165** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **40** (psi) Flow: **350** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1219 | 49.60 | 500 | |
| Adjust Purging: | 1220 | 49.66 | 350 | (4 min) |
| Begin Scan: | 1224 | 49.61 | 280 | |
| Complete Scan: | 1232 | 49.60 | 260 | |
| Collect Samples: | 1235 | | | |
| Complete Samples: | 1250 | 49.60 | 250 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 23.54 | 1.53 | 4.21 | 6.77 | 402 | 0.0 | |
| 2:00 | 21.84 | 1.49 | 4.08 | 6.53 | 409 | 0.0 | |
| 4:00 | 21.61 | 1.48 | 3.81 | 6.52 | 412 | 0.0 | |
| 6:00 | 21.37 | 1.47 | 3.64 | 6.48 | 411 | 0.0 | |
| 8:00 | 21.50 | 1.47 | 3.51 | 6.46 | 410 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** DW-30

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/11/25

Initial DTW (Date/Time): 140.63 (6/11/25 804) Syst. Vol: **1842** (ml)

**Initial Setup:** Controller ID: **76** Pressure: **78** (psi) Flow: **315** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 810 | 140.63 | 450 | |
| Adjust Purging: | 813 | 140.92 | 300 | (6 min) |
| Begin Scan: | 819 | 141.01 | 300 | |
| Complete Scan: | 827 | 141.02 | 300 | |
| Collect Samples: | 830 | | | |
| Complete Samples: | 849 | 141.02 | 280 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 22.41 | 1.31 | 3.75 | 7.03 | 99 | 12.7 | |
| 2:00 | 22.47 | 1.27 | 3.54 | 7.10 | 87 | 12.9 | |
| 4:00 | 22.50 | 1.24 | 3.33 | 7.18 | 73 | 11.3 | |
| 6:00 | 22.48 | 1.23 | 3.20 | 7.23 | 64 | 12.0 | |
| 8:00 | 22.51 | 1.22 | 3.13 | 7.26 | 56 | 12.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **We!l ID:** DW-31

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/9/25

Initial DTW (Date/Time): 57.12 (6/9/25 958) Syst. Vol: **1068** (ml)

**Initial Setup:** Controller ID: **74** Pressure: **38** (psi) Flow: **420** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1005 | 57.12 | 530 | |
| Adjust Purging: | 1007 | 57.22 | 320 | (4 min) |
| Begin Scan: | 1011 | 57.25 | 300 | |
| Complete Scan: | 1021 | 57.25 | 320 | |
| Collect Samples: | 1024 | QCFB: 1026 | | |
| Complete Samples: | 1036 | 57.24 | 300 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 20.01 | 1.38 | 4.43 | 6.77 | 476 | 13.3 | |
| 2:00 | 19.75 | 1.45 | 3.87 | 6.51 | 484 | 13.8 | |
| 4:00 | 19.68 | 1.48 | 3.38 | 6.37 | 488 | 15.2 | |
| 6:00 | 19.69 | 1.49 | 3.20 | 6.29 | 490 | 16.1 | |
| 8:00 | 20.04 | 1.47 | 3.00 | 6.30 | 491 | 15.8 | |
| 10:00 | 20.06 | 1.47 | 2.96 | 6.26 | 492 | 15.2 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# FIELD DATA SHEET
# LOW-FLOW PURGE

Project No. CCL-01 Field Tech: P. Chang **Well ID:** PZ-4

Site Name & Location: Chiquita Canyon Landfill, Valencia, CA Date: 6/11/25

Initial DTW (Date/Time): 74.45 (6/11/25 1157) Syst. Vol: **1508** (ml)

**Initial Setup:** Controller ID: **103** Pressure: **70** (psi) Flow: **440** (ml/min)

| | Time | Depth to Water | Flow (ml/min) | |
|---|---|---|---|---|
| Begin Purging: | 1204 | 74.45 | 600 | |
| Adjust Purging: | 1205 | 75.16 | 300 | (5 min) |
| Begin Scan: | 1210 | 75.45 | 300 | |
| Complete Scan: | 1218 | 75.79 | 300 | |
| Collect Samples: | 1221 | | | |
| Complete Samples: | 1235 | 75.68 | 280 | |

**Field Readings:**

| Elapsed Time | Temp (deg - C) | S. Cond. (mS/cm) | DO (mg/L) | pH (st. units) | ORP | Turb (NTU) | Notes |
|---|---|---|---|---|---|---|---|
| 0:00 | 24.67 | 1.06 | 4.22 | 7.04 | 403 | 0.0 | |
| 2:00 | 24.20 | 1.08 | 3.44 | 6.83 | 406 | 0.0 | |
| 4:00 | 23.74 | 1.08 | 3.20 | 6.75 | 407 | 0.0 | |
| 6:00 | 23.85 | 1.08 | 3.29 | 6.70 | 408 | 0.0 | |
| 8:00 | 23.58 | 1.08 | 3.32 | 6.68 | 408 | 0.0 | |
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**Wellhead Inspection:**

☑ Good ☐ Needs attention: _____

# APPENDIX B

# GROUNDWATER ELEVATIONS

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date | DW-1 | DW-3 | DW-7 | DW-8 | DW-9 | DW-12 | DW-14 | DW-15 | DW-16 | DW-17 | DW-18 | DW-21 | DW-23 | DW-24 | DW-26 | DW-28 | DW-29 | DW-30 | DW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/28/1986 | 920.10 | 1007.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/2/1986 | 921.20 | 1008.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/16/1986 | 921.40 | 1008.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/10/1986 | 921.70 | 1008.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/17/1986 | 922.10 | 1008.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/24/1987 | 919.60 | 1008.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/16/1987 | 919.30 | 1008.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/17/1987 | 919.70 | 1008.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/4/1987 | 918.40 | 1008.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/18/1988 | 918.11 | 1008.30 | 926.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/17/1988 | 917.83 | 1008.47 | 926.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/15/1988 | 917.28 | 1008.09 | 924.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/4/1988 | 917.35 | 1008.40 | 925.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/5/1988 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/6/1988 | 917.80 | 1008.11 | 925.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/7/1988 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/14/1989 | 918.70 | 1009.50 | 922.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/8/1989 | 918.48 | 1009.38 | -- | -- | 976.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/9/1989 | -- | -- | 921.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/1/1989 | -- | -- | -- | 1078.49 | 977.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/2/1989 | -- | -- | 920.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/3/1989 | -- | 1009.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/4/1989 | 918.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/28/1989 | -- | -- | -- | 1078.42 | 977.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/3/1989 | -- | -- | 921.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/4/1989 | -- | 1009.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/6/1989 | 918.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/29/1990 | -- | -- | 921.90 | 1078.64 | 977.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/30/1990 | -- | 1008.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/31/1990 | 917.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/27/1990 | 919.09 | 1009.14 | 922.32 | 1078.91 | 977.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/14/1990 | 918.00 | 1009.12 | 922.39 | 1078.84 | 977.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/11/1990 | -- | -- | -- | 1078.68 | 977.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/12/1990 | -- | 1008.85 | 921.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date | DW-1 | DW-3 | DW-7 | DW-8 | DW-9 | DW-12 | DW-14 | DW-15 | DW-16 | DW-17 | DW-18 | DW-21 | DW-23 | DW-24 | DW-26 | DW-28 | DW-29 | DW-30 | DW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/13/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/16/1990 | 919.12 | 1009.04 | 921.59 | 1078.96 | 977.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/19/1990 | 918.98 | 1009.07 | 921.36 | 1078.98 | 977.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/11/1990 | 918.56 | 1009.20 | 920.78 | 1078.64 | 977.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/17/1990 | 919.18 | 1008.88 | -- | 1078.91 | 977.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/17/1990 | -- | -- | 920.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/16/1990 | -- | 1008.64 | -- | 1078.68 | 977.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/17/1990 | -- | -- | 920.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/18/1990 | 918.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/15/1990 | 917.30 | 1008.70 | -- | 1078.87 | 977.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/21/1991 | -- | -- | -- | 1078.64 | 977.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/22/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/23/1991 | 917.00 | 1008.38 | 921.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/6/1991 | -- | -- | -- | -- | -- | 919.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/19/1991 | 918.21 | 1008.45 | 921.24 | 1078.76 | 977.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/1991 | 918.33 | -- | 922.60 | 1078.89 | 977.71 | 919.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/23/1991 | 918.87 | 1011.65 | 922.71 | 1078.65 | 977.33 | 918.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/18/1991 | 919.12 | 1009.25 | 922.27 | 1078.87 | 977.57 | 918.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/20/1991 | 918.89 | 1009.05 | 921.95 | 1078.82 | 977.52 | 919.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/22/1991 | 918.79 | 1008.89 | 921.69 | 1078.78 | 977.55 | 916.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/1/1991 | 918.55 | -- | 921.50 | 1078.53 | 977.23 | 918.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/2/1991 | -- | 1008.71 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/17/1991 | 918.56 | 1008.59 | 921.38 | 1078.89 | 977.73 | 918.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/21/1991 | -- | 1008.40 | 921.17 | 1078.73 | 977.46 | 918.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/22/1991 | 918.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/28/1992 | 918.11 | 1009.07 | 921.95 | 1078.47 | 977.38 | 918.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/3/1992 | -- | -- | 923.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/16/1992 | 920.48 | -- | -- | 1078.84 | 977.20 | 919.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/20/1992 | 921.50 | -- | 922.96 | 1078.64 | 977.50 | 918.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/16/1992 | 920.23 | 1013.56 | 921.64 | 1078.82 | 977.80 | 918.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/20/1992 | 921.33 | 1012.53 | 921.85 | 1078.63 | 977.78 | 918.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/14/1992 | 920.01 | -- | 922.17 | 1078.76 | 977.82 | 919.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/23/1992 | 921.79 | 1007.93 | 921.69 | 1078.82 | 978.00 | 918.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/19/1992 | 921.18 | 1007.88 | 921.46 | 1078.51 | 977.64 | 918.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date | DW-1 | DW-3 | DW-7 | DW-8 | DW-9 | DW-12 | DW-14 | DW-15 | DW-16 | DW-17 | DW-18 | DW-21 | DW-23 | DW-24 | DW-26 | DW-28 | DW-29 | DW-30 | DW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/16/1992 | 921.33 | 1007.98 | 921.69 | 1078.84 | 977.82 | 918.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/16/1992 | 921.38 | 1007.93 | 921.99 | 1078.74 | 977.80 | 918.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/19/1993 | 921.63 | 1007.61 | 922.67 | 1078.60 | 977.63 | 918.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/16/1993 | 922.03 | 1007.91 | 922.69 | 1078.94 | 977.95 | 919.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/24/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/19/1993 | 927.18 | 1007.95 | 924.05 | 1078.52 | 977.85 | 919.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/18/1993 | 922.36 | 1007.88 | 922.99 | 1078.74 | 978.00 | 918.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/15/1993 | 922.28 | 1008.13 | 923.24 | 1078.84 | 978.10 | 918.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/19/1993 | 927.01 | 1008.33 | 922.61 | 1078.49 | 977.77 | 919.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/17/1993 | 922.78 | 1008.10 | 923.24 | 1078.84 | 978.00 | 918.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/16/1993 | 922.83 | 1008.08 | 923.24 | 1078.79 | 978.00 | 918.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/18/1993 | 926.56 | 1008.43 | 922.64 | 1078.64 | 977.93 | 919.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/16/1993 | 923.00 | 1008.43 | 922.69 | 1078.84 | 978.20 | 918.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/16/1993 | 923.03 | 1008.48 | 922.59 | 1078.84 | 978.15 | 918.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/31/1994 | 925.43 | 1007.43 | 922.54 | 1075.13 | 974.82 | 918.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/16/1994 | 923.18 | 1008.63 | 922.69 | 1078.64 | 978.00 | 918.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/16/1994 | 925.33 | 1007.72 | 923.26 | 1077.22 | 975.62 | 919.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/18/1994 | 925.05 | 1007.74 | -- | 1077.30 | 976.65 | 919.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/19/1994 | -- | -- | 923.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/18/1994 | 925.33 | 1007.70 | 923.24 | 1077.24 | 975.67 | 919.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/18/1994 | 924.33 | 1007.62 | 922.13 | 1077.28 | 976.91 | 919.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/10/1994 | 923.60 | 1007.70 | 922.14 | 1077.40 | 977.33 | 919.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/7/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/5/1995 | 922.98 | 1007.58 | 922.04 | -- | 977.45 | 919.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/3/1995 | 924.69 | 1007.63 | 923.48 | 1077.37 | -- | 919.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/10/1995 | -- | 1007.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/17/1995 | 925.99 | 1007.59 | 923.88 | 1077.57 | 977.80 | 919.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/12/1995 | 925.82 | 1007.55 | 923.46 | 1077.47 | 978.00 | 919.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/11/1995 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/12/1995 | 925.41 | 1007.73 | 922.09 | 1077.55 | 978.12 | 919.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/9/1996 | 924.44 | 1007.66 | 923.07 | 1077.45 | 978.20 | 919.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/13/1996 | 923.65 | 1007.29 | 922.40 | -- | 977.88 | 919.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/14/1996 | -- | -- | -- | 1077.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/1996 | 924.51 | 1007.66 | 923.00 | 1077.54 | 978.26 | 919.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date | DW-1 | DW-3 | DW-7 | DW-8 | DW-9 | DW-12 | DW-14 | DW-15 | DW-16 | DW-17 | DW-18 | DW-21 | DW-23 | DW-24 | DW-26 | DW-28 | DW-29 | DW-30 | DW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/24/1996 | -- | -- | -- | -- | -- | -- | 1020.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/8/1996 | 924.03 | 1007.37 | 921.75 | 1077.63 | 978.23 | 919.46 | 1020.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/9/1996 | 923.24 | 1007.24 | 921.55 | 1077.52 | 978.37 | 919.21 | 1021.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/29/1997 | 924.07 | 1007.26 | 922.65 | 1077.50 | 978.47 | 919.23 | 1020.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/1997 | 925.37 | 1007.22 | 922.34 | 1077.59 | 978.72 | 919.26 | 1021.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/11/1997 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/7/1997 | 924.66 | 1007.25 | 920.22 | 1077.67 | 978.91 | 918.80 | 1021.07 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/7/1997 | 923.79 | 1007.12 | 920.08 | 1077.49 | 978.86 | 918.58 | 1020.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/19/1998 | 923.90 | 1007.23 | 921.70 | 1073.51 | 975.04 | 918.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/22/1998 | 931.00 | 1006.98 | 922.25 | 1077.48 | 979.04 | 918.81 | 1020.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/22/1998 | 931.41 | 1007.62 | 921.25 | 1077.84 | 979.61 | 918.86 | 1020.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/19/1998 | 930.34 | 1007.94 | 921.25 | 1077.87 | 979.18 | 918.86 | 1020.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/22/1999 | 929.54 | 1008.17 | 921.03 | 1077.96 | 978.51 | 918.66 | 1020.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/16/1999 | 928.79 | 1008.17 | 921.75 | 1077.84 | 979.46 | 918.91 | 1020.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/26/1999 | 927.84 | 1008.62 | 919.69 | 1078.19 | 978.81 | 918.41 | 1020.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/29/1999 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/19/1999 | 927.91 | 1008.97 | 921.45 | 1077.94 | 978.81 | 918.06 | 1020.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/24/2000 | 925.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/25/2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/2/2000 | -- | 1008.67 | 920.48 | -- | -- | -- | -- | -- | -- | -- | 922.28 | 919.53 | -- | -- | -- | -- | -- | -- | -- |
| 2/3/2000 | -- | -- | -- | 1077.74 | 978.61 | 918.11 | 1020.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/1/2000 | 926.10 | 1009.07 | 920.60 | 1078.22 | 980.44 | 918.31 | 1020.93 | -- | -- | -- | 927.22 | 920.83 | -- | -- | -- | -- | -- | -- | -- |
| 7/21/2000 | 926.01 | 1010.13 | 919.58 | 1078.06 | 979.78 | 918.05 | 1020.73 | -- | -- | -- | 924.84 | 920.25 | -- | -- | -- | -- | -- | -- | -- |
| 10/19/2000 | 924.86 | 1009.08 | 919.14 | 1077.98 | 980.27 | 917.83 | 1020.58 | -- | -- | -- | 922.80 | 919.46 | -- | -- | -- | -- | -- | -- | -- |
| 1/22/2001 | 923.92 | 1009.05 | 919.76 | 1078.06 | 980.35 | 917.82 | 1020.50 | -- | -- | -- | 921.59 | 918.81 | -- | -- | -- | -- | -- | -- | -- |
| 4/16/2001 | 930.88 | 1008.64 | 921.27 | 1078.12 | 980.46 | 918.14 | 1020.45 | -- | -- | -- | 929.42 | 921.97 | -- | -- | -- | -- | -- | -- | -- |
| 7/13/2001 | 926.92 | 1009.04 | 919.80 | 1078.16 | 980.62 | 918.51 | 1020.44 | -- | -- | -- | 925.68 | 921.19 | -- | -- | -- | -- | -- | -- | -- |
| 10/5/2001 | 926.17 | 1008.97 | 919.32 | 1078.19 | 980.68 | 918.52 | 1020.36 | -- | -- | -- | 923.88 | 920.72 | -- | -- | -- | -- | -- | -- | -- |
| 1/18/2002 | 925.18 | 1009.02 | 919.55 | 1078.47 | 981.01 | 918.61 | 1020.52 | -- | -- | -- | 923.18 | 919.91 | -- | -- | -- | -- | -- | -- | -- |
| 4/5/2002 | 924.40 | 1009.01 | 919.15 | 1078.57 | 981.17 | 918.51 | 1020.49 | -- | -- | -- | 922.51 | 919.41 | -- | -- | -- | -- | -- | -- | -- |
| 7/8/2002 | 923.07 | 1011.45 | 924.19 | -- | 983.84 | 921.10 | 1022.39 | -- | -- | -- | 924.37 | 921.55 | -- | -- | -- | -- | -- | -- | -- |
| 10/7/2002 | 923.11 | 1011.57 | 921.30 | 1080.88 | 984.28 | 920.95 | 1022.69 | -- | -- | -- | 923.83 | 921.51 | -- | -- | -- | -- | -- | -- | -- |
| 1/13/2003 | -- | 1011.62 | 922.62 | 1080.88 | 984.04 | 920.86 | 1022.10 | 973.21 | 993.70 | 1043.76 | 924.15 | 921.44 | -- | -- | -- | -- | -- | -- | -- |
| 4/7/2003 | 929.32 | 1011.17 | 923.03 | 1080.75 | 983.16 | 920.80 | 1022.50 | 972.80 | 993.45 | 1043.95 | 924.97 | 924.14 | -- | -- | -- | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date | DW-1 | DW-3 | DW-7 | DW-8 | DW-9 | DW-12 | DW-14 | DW-15 | DW-16 | DW-17 | DW-18 | DW-21 | DW-23 | DW-24 | DW-26 | DW-28 | DW-29 | DW-30 | DW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/15/2003 | 929.34 | 1011.19 | 923.27 | -- | 985.94 | 920.99 | 1022.63 | 972.96 | 993.80 | 1044.63 | 925.46 | 923.83 | 1025.43 | 1060.77 | -- | -- | -- | -- | -- |
| 7/23/2003 | -- | -- | -- | 1079.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/11/2003 | -- | -- | -- | -- | -- | -- | 1022.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/13/2003 | 928.35 | 1011.06 | 922.05 | 1079.80 | 985.47 | 920.66 | 1022.40 | 972.68 | 993.67 | 1044.67 | 924.75 | 922.83 | 1025.22 | 1060.38 | -- | -- | -- | -- | -- |
| 1/12/2004 | 929.11 | 1010.97 | 922.24 | 1079.92 | 985.10 | 920.57 | 1022.23 | 972.52 | 993.57 | 1044.75 | 924.86 | 924.75 | -- | 1060.11 | -- | -- | -- | -- | -- |
| 1/15/2004 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1025.32 | -- | -- | -- | -- | -- | -- |
| 4/19/2004 | 928.81 | 1010.99 | 922.31 | 1079.90 | 984.92 | 920.56 | 1022.06 | 972.29 | 993.44 | 1044.70 | 925.15 | 923.70 | 1025.02 | 1059.07 | -- | -- | -- | -- | -- |
| 7/9/2004 | 927.42 | 1010.93 | 921.95 | 1080.26 | 985.32 | 920.58 | 1022.21 | 972.44 | 993.71 | 1044.95 | 924.28 | 922.48 | 1025.11 | 1059.10 | -- | -- | -- | -- | -- |
| 10/6/2004 | 925.97 | 1010.84 | 922.16 | 1080.21 | 985.23 | 920.49 | 1022.21 | 972.32 | 993.77 | 1044.99 | 923.44 | 921.44 | 1025.05 | 1059.11 | -- | -- | -- | -- | -- |
| 11/10/2004 | 926.37 | 1010.77 | 923.14 | 1080.14 | 985.14 | 920.63 | 1022.01 | 972.24 | 993.68 | 1044.92 | 923.45 | 921.99 | 1025.03 | 1058.88 | -- | -- | -- | -- | -- |
| 12/3/2004 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/7/2004 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/9/2004 | 926.18 | 1010.62 | 922.97 | 1080.17 | 985.19 | 920.53 | 1021.89 | 972.13 | 993.55 | 1044.76 | 923.33 | 921.67 | 1024.87 | 1058.76 | -- | -- | -- | -- | -- |
| 12/15/2004 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1078.71 | -- | -- | -- | -- |
| 12/16/2004 | 926.06 | -- | 922.97 | -- | -- | 920.42 | -- | 972.02 | 993.47 | -- | 923.18 | 921.60 | -- | -- | -- | -- | -- | -- | -- |
| 12/23/2004 | 926.16 | -- | 923.00 | -- | -- | 920.48 | -- | 972.10 | 993.56 | -- | 923.27 | 921.85 | -- | -- | -- | -- | -- | -- | -- |
| 12/30/2004 | 926.35 | -- | 923.27 | -- | -- | 920.51 | -- | 972.11 | 993.55 | -- | 923.30 | 922.05 | -- | -- | -- | -- | -- | -- | -- |
| 1/6/2005 | 927.25 | -- | 923.99 | -- | -- | 920.79 | -- | 972.27 | 993.73 | -- | 923.59 | 922.45 | -- | -- | -- | -- | -- | -- | -- |
| 1/14/2005 | 929.59 | 1010.70 | 925.04 | 1080.18 | 985.29 | 920.89 | 1022.01 | 972.16 | 993.61 | 1044.88 | 923.79 | 923.26 | 1024.99 | 1058.81 | 1079.68 | -- | -- | -- | -- |
| 1/21/2005 | 933.15 | -- | 925.37 | -- | -- | 921.01 | -- | 972.31 | 993.75 | -- | 924.20 | 924.17 | -- | -- | -- | -- | -- | -- | -- |
| 1/28/2005 | 931.89 | -- | 925.23 | -- | -- | 920.98 | -- | 972.22 | 993.63 | -- | 924.59 | 924.78 | -- | -- | -- | -- | -- | -- | -- |
| 2/4/2005 | 933.88 | -- | 924.96 | -- | -- | 921.05 | -- | 972.26 | 993.67 | -- | 924.98 | 925.14 | -- | -- | -- | -- | -- | -- | -- |
| 2/10/2005 | 932.64 | 1010.76 | 924.81 | 1080.33 | 985.49 | 921.24 | 1022.23 | 972.44 | 993.82 | 1045.14 | 925.39 | 925.41 | 1024.99 | 1058.82 | 1079.93 | -- | -- | -- | -- |
| 2/18/2005 | 932.99 | -- | 924.78 | -- | -- | 921.39 | -- | 972.51 | 993.85 | -- | 925.66 | 925.62 | -- | -- | -- | -- | -- | -- | -- |
| 2/25/2005 | 933.62 | -- | 925.52 | -- | -- | 921.49 | -- | 972.35 | 993.71 | -- | 925.91 | 925.76 | -- | -- | -- | -- | -- | -- | -- |
| 3/4/2005 | 934.46 | -- | 926.10 | -- | -- | 921.81 | -- | 972.45 | 993.77 | -- | 926.11 | 926.11 | -- | -- | -- | -- | -- | -- | -- |
| 3/11/2005 | 934.90 | 1010.81 | 926.07 | 1080.46 | 985.54 | 922.01 | 1022.14 | 972.50 | 993.81 | 1045.15 | 926.38 | 926.46 | 1025.00 | 1058.85 | 1080.26 | -- | -- | -- | -- |
| 3/18/2005 | 935.12 | -- | 925.82 | -- | -- | 922.29 | -- | 972.52 | 993.83 | -- | 926.70 | 926.80 | -- | -- | -- | -- | -- | -- | -- |
| 3/25/2005 | 935.22 | -- | 925.45 | -- | -- | 922.41 | -- | 972.39 | 993.70 | -- | 926.87 | 926.97 | -- | -- | -- | -- | -- | -- | -- |
| 4/1/2005 | 935.40 | -- | 925.27 | -- | -- | 922.71 | -- | 972.50 | 993.82 | -- | 927.20 | 927.13 | -- | -- | -- | -- | -- | -- | -- |
| 4/8/2005 | 935.39 | -- | 924.99 | -- | -- | 922.66 | -- | 972.56 | 993.86 | -- | 927.36 | 927.27 | -- | -- | -- | -- | -- | -- | -- |
| 4/15/2005 | 935.35 | -- | 924.86 | -- | -- | 922.81 | -- | 972.56 | 993.87 | -- | 927.58 | 927.31 | -- | -- | -- | -- | -- | -- | -- |
| 4/20/2005 | 935.23 | 1011.89 | 924.66 | 1080.46 | 985.45 | 923.05 | 1022.02 | 972.48 | 993.78 | 1045.14 | 927.63 | 927.26 | 1025.20 | 1058.72 | 1080.66 | -- | -- | -- | -- |
| 4/28/2005 | 935.06 | -- | 924.46 | -- | -- | 923.30 | -- | 972.59 | 993.86 | -- | 927.83 | 927.25 | -- | -- | -- | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date | DW-1 | DW-3 | DW-7 | DW-8 | DW-9 | DW-12 | DW-14 | DW-15 | DW-16 | DW-17 | DW-18 | DW-21 | DW-23 | DW-24 | DW-26 | DW-28 | DW-29 | DW-30 | DW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/6/2005 | 935.10 | -- | 924.40 | -- | -- | 923.42 | -- | 972.60 | 993.86 | -- | 927.90 | 927.23 | -- | -- | -- | -- | -- | -- | -- |
| 5/17/2005 | 934.96 | 1012.42 | 924.42 | 1080.55 | 985.66 | 923.66 | 1022.19 | 972.67 | 993.93 | 1045.39 | 928.05 | 927.21 | 1025.64 | 1058.84 | 1080.92 | -- | -- | -- | -- |
| 5/20/2005 | 934.90 | -- | 924.38 | -- | -- | 923.70 | -- | 972.69 | 993.92 | -- | 928.06 | 927.15 | -- | -- | -- | -- | -- | -- | -- |
| 5/27/2005 | 934.76 | -- | 924.27 | -- | -- | 923.76 | -- | 972.69 | 993.96 | -- | 928.10 | 927.12 | -- | -- | -- | -- | -- | -- | -- |
| 6/3/2005 | 934.61 | -- | 924.19 | -- | -- | 923.79 | -- | 972.70 | 993.93 | -- | 928.12 | 927.04 | -- | -- | -- | -- | -- | -- | -- |
| 6/10/2005 | 934.45 | 1012.72 | 924.03 | 1080.55 | 985.60 | 923.90 | 1022.13 | 972.76 | 993.99 | 1045.56 | 928.14 | 926.98 | 1025.85 | 1058.80 | 1081.30 | -- | -- | -- | -- |
| 7/8/2005 | 933.85 | 1012.94 | 923.42 | 1080.30 | 985.51 | 924.02 | 1022.02 | 972.73 | 993.93 | 1045.69 | 928.00 | 926.66 | 1026.04 | 1058.77 | 1081.43 | -- | -- | -- | -- |
| 7/15/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/9/2005 | 933.36 | 1013.11 | 922.80 | 1080.84 | 985.54 | 924.14 | 1022.02 | 972.80 | 993.94 | 1045.93 | 927.80 | 926.41 | 1026.47 | 1058.75 | 1081.67 | -- | -- | -- | -- |
| 9/9/2005 | 932.81 | 1013.29 | 922.40 | 1080.71 | 985.56 | 924.19 | 1022.03 | 972.80 | 993.87 | 1046.15 | 927.56 | 926.07 | -- | 1058.73 | 1081.91 | -- | -- | -- | -- |
| 10/14/2005 | 932.30 | 1013.55 | 922.34 | 1080.54 | 985.59 | 924.12 | 1022.02 | 972.90 | 993.94 | 1046.35 | 927.36 | 925.81 | 1027.02 | 1058.64 | 1082.18 | -- | -- | -- | -- |
| 11/21/2005 | 932.10 | 1013.64 | 922.46 | 1080.48 | 985.41 | 924.12 | 1021.87 | 972.79 | 993.72 | 1046.39 | 927.29 | 926.01 | 1027.38 | 1058.75 | 1082.35 | -- | -- | -- | -- |
| 12/9/2005 | 931.85 | 1013.77 | 922.60 | 1080.45 | 985.51 | 924.09 | 1021.92 | 972.74 | 993.85 | 1046.49 | 927.16 | 925.85 | 1027.28 | 1058.66 | 1082.45 | -- | -- | -- | -- |
| 1/13/2006 | 931.83 | 1014.00 | 922.57 | 1080.69 | 985.77 | 924.04 | 1022.11 | 972.95 | 993.96 | 1046.75 | 927.25 | 926.03 | 1027.36 | 1058.69 | 1082.86 | -- | -- | -- | -- |
| 2/10/2006 | 931.44 | 1013.91 | 922.76 | 1080.67 | 985.64 | 923.89 | 1021.99 | 972.80 | 993.75 | 1046.63 | 926.97 | 925.60 | 1027.19 | 1058.59 | 1082.87 | -- | -- | -- | -- |
| 3/9/2006 | 931.61 | 1014.27 | 923.59 | 1080.83 | 985.91 | 924.21 | 1022.29 | 973.11 | 994.12 | 1047.04 | 927.14 | 925.85 | 1027.56 | 1058.88 | 1083.35 | -- | -- | -- | -- |
| 4/24/2006 | 932.11 | 1014.31 | 923.81 | 1080.87 | 985.76 | 923.85 | 1022.02 | 972.71 | 993.73 | 1046.78 | 927.17 | 926.02 | 1027.30 | 1058.57 | 1083.39 | -- | -- | -- | -- |
| 5/10/2006 | 932.21 | 1014.37 | 923.68 | 1080.95 | 985.94 | 923.89 | 1022.15 | 972.90 | 993.85 | 1046.97 | 927.37 | 926.12 | 1027.30 | 1058.57 | 1083.53 | -- | -- | -- | -- |
| 6/13/2006 | 931.87 | 1014.41 | 923.62 | 1080.82 | 985.92 | 923.74 | 1022.01 | 972.71 | 993.72 | 1046.89 | 927.05 | 925.72 | 1027.21 | 1058.51 | 1083.58 | -- | -- | -- | -- |
| 7/6/2006 | 931.57 | 1014.56 | 922.76 | 1080.86 | 985.90 | 923.72 | 1022.07 | 972.76 | 993.81 | 1047.02 | 926.95 | 925.49 | 1027.30 | 1058.60 | 1083.73 | -- | -- | -- | -- |
| 8/9/2006 | 931.13 | 1014.65 | -- | 1080.91 | 986.00 | -- | 1022.10 | 972.83 | 993.87 | 1047.14 | 926.78 | 925.10 | 1027.35 | 1058.56 | 1083.78 | -- | -- | -- | -- |
| 9/8/2006 | -- | -- | -- | -- | -- | -- | 1022.12 | -- | 993.87 | 1047.14 | -- | -- | 1027.28 | 1058.56 | -- | -- | -- | -- | -- |
| 10/9/2006 | 930.23 | 1014.76 | 921.32 | 1080.81 | 985.87 | 923.30 | 1022.02 | 972.77 | 993.74 | 1047.20 | 926.23 | 923.38 | 1027.31 | 1058.45 | 1083.91 | -- | -- | -- | -- |
| 11/14/2006 | 929.69 | 1014.88 | 921.57 | 1080.97 | 986.04 | 923.05 | 1022.10 | 972.76 | 993.91 | 1047.22 | 925.90 | 923.93 | 1027.30 | 1058.51 | 1084.03 | -- | -- | -- | -- |
| 12/7/2006 | 929.26 | 1014.86 | 921.66 | 1080.93 | 985.88 | 922.99 | 1021.92 | 972.71 | 993.90 | 1047.21 | 925.54 | 923.61 | 1027.30 | 1058.50 | 1084.05 | -- | -- | -- | -- |
| 1/15/2007 | 928.80 | 1014.80 | 921.64 | 1080.91 | 985.82 | 922.49 | 1021.77 | 972.41 | 993.63 | 1046.93 | 925.14 | 923.41 | 1027.10 | 1058.22 | 1084.01 | -- | -- | -- | -- |
| 2/21/2007 | 928.83 | 1014.96 | 921.83 | 1081.12 | 986.09 | 922.66 | 1022.02 | 972.48 | 993.70 | 1047.13 | 925.32 | 923.89 | 1027.33 | 1058.41 | 1084.35 | -- | -- | -- | -- |
| 3/14/2007 | 929.16 | 1014.98 | 921.37 | 1081.13 | 986.14 | 922.68 | 1022.06 | 972.49 | 993.71 | 1047.16 | 925.47 | 924.44 | 1027.35 | 1058.42 | 1084.44 | -- | -- | -- | -- |
| 4/17/2007 | 928.61 | 1014.98 | 920.90 | 1081.02 | 986.12 | 922.22 | 1021.94 | 972.33 | 993.58 | 1047.08 | 925.18 | 923.63 | 1027.24 | 1058.25 | 1084.38 | -- | -- | -- | -- |
| 5/11/2007 | 928.32 | 1015.12 | 920.90 | 1081.14 | 986.33 | 922.19 | 1022.07 | 972.51 | 993.75 | 1047.26 | 925.05 | 923.37 | 1027.37 | 1058.37 | 1084.56 | -- | -- | -- | -- |
| 6/8/2007 | 927.97 | 1015.19 | 920.88 | 1081.24 | 986.48 | 922.13 | 1022.20 | 972.53 | 993.79 | 1047.33 | 924.84 | 922.97 | 1027.48 | 1058.47 | 1084.86 | -- | -- | -- | -- |
| 7/7/2007 | 927.56 | 1015.18 | 920.61 | 1081.34 | 986.49 | 922.00 | 1022.14 | 972.49 | 993.77 | 1047.35 | 924.57 | 922.73 | 1027.52 | 1058.39 | 1084.71 | -- | -- | -- | -- |
| 8/10/2007 | 927.17 | 1015.20 | 920.17 | 1081.22 | 986.49 | 921.78 | 1022.09 | 972.46 | 993.70 | 1047.27 | 924.34 | 922.51 | 1027.58 | 1058.35 | 1084.72 | -- | -- | -- | -- |
| 9/10/2007 | 926.84 | 1015.17 | 920.62 | 1081.40 | 986.47 | 921.66 | 1022.03 | 972.29 | 993.61 | 1047.20 | 924.07 | 922.27 | 1027.55 | 1058.27 | 1084.72 | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date | DW-1 | DW-3 | DW-7 | DW-8 | DW-9 | DW-12 | DW-14 | DW-15 | DW-16 | DW-17 | DW-18 | DW-21 | DW-23 | DW-24 | DW-26 | DW-28 | DW-29 | DW-30 | DW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/12/2007 | 926.50 | 1015.27 | 920.89 | 1081.58 | 986.63 | 921.72 | 1022.17 | 972.43 | 993.76 | 1047.37 | 923.91 | 921.90 | 1027.75 | 1058.42 | 1084.91 | -- | -- | -- | -- |
| 11/8/2007 | 926.20 | 1015.21 | 920.98 | 1081.42 | 986.53 | 921.47 | 1022.06 | 972.32 | 993.68 | 1047.24 | 923.63 | 921.60 | 1026.66 | 1058.27 | 1084.84 | -- | -- | -- | -- |
| 12/14/2007 | 925.73 | 1015.26 | 921.48 | 1081.32 | 986.37 | 921.48 | 1022.05 | 972.13 | 993.53 | 1047.32 | 923.22 | 921.42 | 1026.98 | 1058.22 | 1085.01 | -- | -- | -- | -- |
| 1/15/2008 | 927.12 | 1015.31 | 922.08 | 1081.63 | 986.75 | 921.58 | 1021.98 | 972.42 | 993.84 | 1047.39 | 924.05 | 923.05 | 1027.96 | 1058.31 | 1085.10 | -- | -- | -- | -- |
| 2/26/2008 | 928.60 | 1015.20 | 921.92 | 1081.54 | 986.66 | 921.28 | 1021.85 | 972.11 | 993.58 | 1047.23 | 924.65 | 923.79 | 1027.90 | 1058.17 | 1085.15 | -- | -- | -- | -- |
| 3/18/2008 | 928.69 | 1015.25 | 921.89 | 1081.70 | 986.65 | 921.19 | 1021.89 | 971.98 | 993.46 | 1047.13 | 924.69 | 923.77 | 1027.90 | 1058.13 | 1085.18 | -- | -- | -- | -- |
| 4/8/2008 | 928.44 | 1015.37 | 921.50 | 1081.82 | 986.91 | 921.32 | 1022.12 | 972.25 | 993.73 | 1047.46 | 924.77 | 923.29 | 1028.15 | 1058.32 | 1085.41 | -- | -- | -- | -- |
| 5/9/2008 | 927.76 | 1015.37 | 920.33 | 1081.48 | 986.96 | 921.10 | 1022.14 | 972.19 | 993.63 | 1047.40 | 924.32 | 922.56 | 1026.66 | 1058.29 | 1085.41 | -- | -- | -- | -- |
| 6/17/2008 | 926.98 | 1015.27 | 920.26 | 1081.68 | 986.94 | 920.86 | 1022.03 | 972.07 | 993.55 | 1047.29 | 923.78 | 921.78 | 1028.18 | 1058.15 | 1085.38 | -- | -- | -- | -- |
| 7/9/2008 | 926.62 | 1015.32 | 920.44 | 1081.93 | 987.17 | 920.80 | 1022.17 | 972.16 | 993.63 | 1047.43 | 923.57 | 921.46 | 1028.40 | 1058.26 | 1085.50 | -- | -- | -- | -- |
| 8/13/2008 | 925.94 | 1015.33 | 920.02 | 1081.87 | 987.14 | 920.71 | 1022.12 | 972.11 | 993.63 | 1047.44 | 923.19 | 921.02 | 1028.40 | 1058.26 | 1085.53 | -- | -- | -- | -- |
| 9/10/2008 | 925.58 | 1015.30 | 919.75 | 1081.91 | 987.15 | 920.56 | 1022.06 | 972.02 | 993.52 | 1047.37 | 922.91 | 920.68 | 1028.28 | 1058.14 | 1085.49 | -- | -- | -- | -- |
| 10/13/2008 | 925.20 | 1015.09 | 919.93 | 1081.56 | 986.76 | 920.25 | 1021.67 | 971.67 | 993.26 | 1047.06 | 922.55 | 920.48 | 1028.08 | 1058.00 | 1085.21 | -- | -- | -- | -- |
| 11/14/2008 | 924.98 | 1015.23 | 920.35 | 1081.81 | 987.08 | 920.45 | 1021.93 | 971.97 | 993.49 | 1047.32 | 922.47 | 920.30 | 1028.32 | 1058.11 | 1085.48 | -- | -- | -- | -- |
| 12/19/2008 | 924.70 | 1015.13 | 920.36 | 1081.64 | 987.10 | 920.19 | 1021.71 | 971.73 | 993.21 | 1047.07 | 922.15 | 920.19 | 1028.09 | 1057.86 | 1085.33 | -- | -- | -- | -- |
| 1/9/2009 | 924.88 | 1015.14 | 920.52 | 1081.75 | 987.12 | 920.19 | 1021.76 | 971.79 | 993.33 | 1047.18 | 922.20 | 920.48 | 1028.12 | 1057.98 | 1085.45 | -- | -- | -- | -- |
| 2/12/2009 | 924.79 | 1015.17 | 920.34 | 1081.58 | 987.19 | 920.16 | 1021.72 | 971.83 | 993.44 | 1047.26 | 922.15 | 920.40 | 1027.98 | 1057.84 | 1085.50 | -- | -- | -- | -- |
| 3/10/2009 | 926.15 | 1015.21 | 921.30 | 1081.86 | 987.34 | 920.16 | 1021.93 | 971.91 | 993.55 | 1047.42 | 922.73 | 921.55 | 1028.03 | 1058.02 | 1085.65 | -- | -- | -- | -- |
| 4/13/2009 | 926.07 | 1015.24 | 920.74 | 1081.85 | 987.45 | 920.25 | 1021.90 | 971.89 | 993.54 | 1047.39 | 922.81 | 921.16 | 1027.98 | 1058.01 | 1085.66 | -- | -- | -- | -- |
| 5/12/2009 | 925.62 | 1015.23 | 919.89 | 1081.98 | 987.63 | 920.05 | 1022.03 | 971.86 | 993.54 | 1047.43 | 922.57 | 920.68 | 1027.91 | 1058.03 | 1085.70 | -- | -- | -- | -- |
| 6/15/2009 | 925.03 | 1015.18 | 919.16 | 1081.97 | 987.55 | 919.85 | 1021.90 | 971.77 | 993.46 | 1047.38 | 922.15 | 920.13 | 1027.75 | 1057.96 | 1085.59 | -- | -- | -- | -- |
| 7/10/2009 | 924.70 | 1015.13 | 918.89 | 1081.95 | 987.47 | 919.71 | 1021.80 | 971.67 | 993.27 | 1047.37 | 922.00 | 919.90 | 1027.68 | 1057.91 | 1085.60 | -- | -- | -- | -- |
| 8/14/2009 | 924.43 | 1015.10 | 918.12 | 1081.93 | 987.56 | 919.53 | 1021.83 | 971.69 | 993.38 | 1047.31 | 921.77 | 919.58 | 1027.51 | 1057.88 | 1085.56 | -- | -- | -- | -- |
| 9/16/2009 | 924.24 | 1015.19 | 918.06 | 1081.89 | 987.76 | 919.54 | 1021.89 | 971.79 | 993.50 | 1047.37 | 921.71 | 919.53 | 1027.43 | 1057.94 | 1085.62 | -- | -- | -- | -- |
| 10/19/2009 | 925.06 | 1015.07 | 918.66 | 1081.96 | 987.69 | 919.33 | 1021.78 | 971.60 | 993.35 | 1047.24 | 921.70 | 922.13 | 1027.27 | 1057.88 | 1085.59 | -- | -- | -- | -- |
| 11/13/2009 | 926.52 | 1015.08 | 919.17 | 1082.09 | 987.90 | 919.34 | 1021.94 | 971.73 | 993.46 | 1047.38 | 922.87 | 922.07 | 1027.29 | 1057.97 | 1085.67 | -- | -- | -- | -- |
| 12/15/2009 | 927.29 | 1014.84 | 919.34 | 1081.79 | 987.52 | 919.13 | 1021.54 | 971.43 | 993.19 | 1047.04 | 922.96 | 923.40 | 1026.89 | 1057.60 | 1085.40 | -- | -- | -- | -- |
| 1/9/2010 | 928.93 | 1014.98 | -- | 1081.90 | 987.70 | -- | 1021.65 | 971.55 | 993.33 | 1047.16 | 924.47 | 924.97 | 1027.07 | 1057.80 | 1085.57 | -- | -- | -- | -- |
| 1/11/2010 | -- | -- | 919.65 | -- | -- | 919.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/17/2010 | 929.62 | 1014.96 | 920.97 | 1081.96 | 987.89 | 919.30 | 1021.72 | 971.63 | 993.41 | 1047.23 | 925.15 | 924.69 | 1026.97 | 1057.81 | 1085.71 | -- | -- | -- | -- |
| 3/16/2010 | 929.49 | 1014.80 | 921.15 | 1081.78 | 987.63 | 919.19 | 1021.46 | 971.35 | 993.15 | 1046.96 | 925.00 | 924.35 | 1026.72 | 1057.59 | 1085.54 | -- | -- | -- | -- |
| 4/13/2010 | 929.42 | 1014.88 | 921.55 | 1082.04 | 987.98 | 919.33 | 1021.76 | 971.51 | 993.32 | 1047.22 | 925.17 | 924.32 | 1026.76 | 1057.76 | 1085.69 | -- | -- | -- | -- |
| 5/13/2010 | 929.33 | 1014.96 | 920.88 | 1082.11 | 987.93 | 919.44 | 1021.75 | 971.62 | 993.42 | 1047.35 | 925.27 | 924.16 | 1026.85 | 1057.86 | 1085.76 | -- | -- | -- | -- |
| 6/9/2010 | 928.69 | 1014.81 | 919.18 | 1082.03 | 988.01 | 919.14 | 1021.65 | 971.42 | 993.26 | 1047.20 | 924.84 | 923.45 | 1026.65 | 1057.68 | 1085.56 | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date | DW-1 | DW-3 | DW-7 | DW-8 | DW-9 | DW-12 | DW-14 | DW-15 | DW-16 | DW-17 | DW-18 | DW-21 | DW-23 | DW-24 | DW-26 | DW-28 | DW-29 | DW-30 | DW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/6/2010 | 928.68 | 1014.87 | 919.36 | 1082.17 | 987.96 | 919.09 | 1021.60 | 971.59 | 993.44 | 1047.37 | 924.87 | 923.49 | 1026.68 | 1057.63 | 1085.63 | -- | -- | -- | -- |
| 8/12/2010 | 927.70 | 1014.82 | 917.84 | 1082.21 | 988.37 | 918.91 | 1021.81 | 971.54 | 993.44 | 1047.42 | 924.27 | 922.41 | 1026.94 | 1057.85 | 1085.53 | 1111.29 | -- | -- | -- |
| 9/16/2010 | 926.89 | 1014.75 | 917.46 | 1082.27 | 988.36 | 918.80 | 1021.76 | 971.52 | 993.44 | 1047.41 | 923.66 | 921.57 | 1026.84 | 1057.76 | 1085.43 | 1111.50 | -- | -- | -- |
| 10/15/2010 | 926.19 | 1014.60 | 917.58 | 1082.18 | 988.01 | 919.51 | 1021.52 | 971.29 | 993.20 | 1047.16 | 923.14 | 921.06 | 1026.69 | 1057.52 | 1085.26 | 1111.57 | -- | -- | -- |
| 11/12/2010 | 926.48 | 1014.44 | 918.25 | 1081.97 | 987.83 | 918.39 | 1021.22 | 971.09 | 992.99 | 1046.98 | 923.07 | 922.12 | 1026.48 | 1057.28 | 1085.05 | 1111.52 | -- | -- | -- |
| 12/8/2010 | 926.46 | 1014.56 | 918.20 | 1082.09 | 988.06 | 918.49 | 1021.43 | 971.37 | 992.26 | 1047.25 | 923.27 | 921.85 | 1026.71 | 1057.49 | 1085.24 | 1111.74 | -- | -- | -- |
| 1/11/2011 | 928.67 | 1014.44 | 919.75 | 1082.09 | 988.06 | 918.44 | 1021.34 | 971.15 | 993.05 | 1047.10 | 924.17 | 924.11 | 1026.59 | 1057.53 | 1085.34 | 1111.74 | -- | -- | -- |
| 2/15/2011 | 928.84 | 1014.55 | 919.37 | 1082.31 | 988.36 | 918.53 | 1021.59 | 971.39 | 993.31 | 1047.35 | 924.70 | 923.82 | 1026.67 | 1057.63 | 1085.42 | 1111.93 | -- | -- | -- |
| 3/15/2011 | 930.00 | 1014.53 | 920.56 | 1082.32 | 988.47 | 918.57 | 1021.62 | 971.39 | 993.31 | 1047.41 | 925.32 | 925.47 | 1026.67 | 1057.67 | 1085.52 | 1112.04 | -- | -- | -- |
| 4/15/2011 | 932.42 | 1014.46 | 922.13 | 1082.24 | 988.55 | 918.85 | 1021.51 | 971.44 | 993.36 | 1047.47 | 926.77 | 927.12 | 1026.62 | 1057.58 | 1085.59 | 1112.04 | -- | -- | -- |
| 5/12/2011 | 931.85 | 1014.40 | 921.06 | 1082.32 | 988.54 | 919.23 | 1021.58 | 971.25 | 993.14 | 1047.35 | 926.67 | 926.11 | 1026.55 | 1057.63 | 1085.63 | 1112.17 | -- | -- | -- |
| 6/16/2011 | 931.09 | 1014.29 | 919.93 | 1082.48 | 988.77 | 918.69 | 1021.75 | 971.38 | 993.30 | 1047.57 | 926.40 | 925.13 | 1026.63 | 1057.76 | 1085.79 | 1112.19 | -- | -- | -- |
| 7/11/2011 | 930.43 | 1014.26 | 919.36 | 1082.40 | 988.71 | 918.53 | 1021.40 | 971.39 | 993.20 | 1047.50 | 925.97 | 924.45 | 1026.47 | 1057.62 | 1085.66 | 1112.26 | -- | -- | -- |
| 8/17/2011 | 929.50 | 1014.28 | 918.08 | 1082.43 | 988.70 | 918.34 | 1021.53 | 971.28 | 993.22 | 1047.66 | 925.41 | 921.59 | 1026.47 | 1057.64 | 1085.64 | 1112.25 | -- | -- | -- |
| 9/16/2011 | 928.68 | 1014.31 | 917.15 | 1082.27 | 988.52 | 918.12 | 1021.82 | 971.22 | 993.13 | 1047.64 | 924.87 | 922.86 | 1026.55 | 1057.53 | 1085.58 | 1112.26 | -- | -- | -- |
| 10/17/2011 | 928.77 | 1014.32 | 917.86 | 1082.23 | 988.49 | 918.09 | 1021.34 | 971.46 | 993.10 | 1047.68 | 924.72 | 923.18 | 1026.48 | 1057.46 | 1085.82 | 1112.34 | -- | -- | -- |
| 1/6/2012 | 929.47 | 1014.25 | 918.77 | 1082.45 | 988.68 | 918.07 | 1021.32 | 971.33 | 993.26 | 1047.90 | 925.47 | 924.04 | 1026.55 | 1057.60 | 1085.55 | 1112.41 | -- | -- | -- |
| 2/16/2012 | 930.06 | 1014.16 | 918.49 | 1082.36 | 988.61 | 917.80 | 1021.22 | 970.96 | 992.95 | 1047.80 | 925.48 | 924.94 | 1028.38 | 1057.43 | 1085.47 | 1112.35 | -- | -- | -- |
| 3/15/2012 | 929.06 | 1014.21 | 918.39 | 1082.38 | 988.65 | 917.72 | 1021.22 | 971.04 | 993.14 | 1047.91 | 925.16 | 923.46 | 1026.40 | 1057.50 | 1085.46 | 1112.36 | -- | -- | -- |
| 4/17/2012 | 935.30 | 1014.28 | 919.48 | 1082.56 | 988.62 | 917.97 | 1021.13 | 971.37 | 993.08 | 1048.00 | 927.15 | 924.00 | 1026.53 | 1057.57 | 1085.85 | 1112.57 | -- | -- | -- |
| 5/17/2012 | 935.90 | 1014.23 | 918.67 | 1082.72 | 988.73 | 917.96 | 1021.36 | 971.20 | 993.21 | 1047.96 | 928.63 | 929.05 | 1026.50 | 1057.62 | 1085.58 | 1112.87 | -- | -- | -- |
| 6/15/2012 | 933.93 | 1014.19 | 917.47 | 1082.68 | 988.73 | 917.75 | 1021.36 | 971.08 | 993.27 | 1048.12 | 928.03 | 927.08 | 1026.39 | 1057.70 | 1085.50 | 1112.85 | -- | -- | -- |
| 7/6/2012 | 932.80 | 1014.10 | 917.32 | 1082.54 | 988.52 | 917.67 | 1021.21 | 971.01 | 993.11 | 1048.05 | 927.47 | 926.08 | 1026.30 | 1057.61 | 1085.35 | 1112.78 | -- | -- | -- |
| 8/16/2012 | 930.99 | 1014.13 | 917.23 | 1082.52 | 988.77 | 917.61 | 1021.29 | 971.06 | 993.23 | 1048.14 | 926.51 | 924.65 | 1026.11 | 1057.45 | 1085.36 | 1112.93 | -- | -- | -- |
| 9/13/2012 | 929.96 | 1014.04 | 917.06 | 1082.46 | 988.52 | 917.33 | 1021.09 | 970.99 | 993.19 | 1048.08 | 925.87 | 923.84 | 1026.27 | 1057.12 | 1085.20 | 1112.70 | -- | -- | -- |
| 10/15/2012 | 929.10 | 1014.12 | 917.34 | 1082.57 | 988.75 | 917.50 | 1021.14 | 971.40 | 993.40 | 1048.26 | 925.38 | 923.27 | 1026.48 | 1057.51 | 1085.28 | 1112.77 | -- | -- | -- |
| 11/15/2012 | 928.18 | 1014.01 | 917.31 | 1082.48 | 988.71 | 917.45 | 1021.00 | 971.00 | 993.26 | 1048.15 | 924.74 | 922.59 | 1026.30 | 1057.38 | 1085.12 | 1112.72 | -- | -- | -- |
| 12/20/2012 | 928.65 | 1013.99 | 917.76 | 1082.05 | 988.38 | 917.23 | 1020.88 | 970.85 | 993.13 | 1047.99 | 924.81 | 923.53 | 1026.33 | 1057.22 | 1085.02 | 1112.54 | -- | -- | -- |
| 1/4/2013 | 928.76 | 1013.81 | 917.89 | 1082.34 | 988.56 | 917.29 | 1020.85 | 970.92 | 993.21 | 1048.01 | 924.82 | 923.49 | 1026.09 | 1057.20 | 1084.94 | 1112.60 | -- | -- | -- |
| 2/14/2013 | 929.74 | 1013.87 | 917.47 | 1082.46 | 988.53 | 917.24 | 1020.89 | 970.93 | 993.18 | 1048.13 | 924.84 | 923.76 | 1026.25 | 1057.27 | 1084.99 | 1112.75 | -- | -- | -- |
| 3/7/2013 | 929.25 | 1014.09 | 917.39 | 1082.66 | 988.99 | 917.31 | 1021.15 | 971.13 | 993.40 | 1048.21 | 924.85 | 923.36 | 1026.33 | 1057.44 | 1085.10 | 1112.90 | -- | -- | -- |
| 4/10/2013 | 929.29 | 1013.90 | 917.42 | 1082.53 | 989.09 | 917.19 | 1021.05 | 970.91 | 993.14 | 1048.13 | 924.77 | 923.40 | 1026.04 | 1057.34 | 1084.95 | 1112.75 | -- | -- | -- |
| 5/15/2013 | 928.30 | 1013.90 | 917.25 | 1082.61 | 989.02 | 917.15 | 1021.03 | 970.97 | 993.20 | 1048.22 | 923.72 | 922.59 | 1026.20 | 1057.32 | 1084.96 | 1112.80 | -- | -- | -- |
| 6/13/2013 | 927.69 | 1013.81 | 917.21 | 1082.59 | 989.07 | 917.14 | 1020.96 | 970.97 | 993.21 | 1048.07 | 924.00 | 922.10 | 1026.15 | 1057.26 | 1084.87 | 1112.80 | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date | DW-1 | DW-3 | DW-7 | DW-8 | DW-9 | DW-12 | DW-14 | DW-15 | DW-16 | DW-17 | DW-18 | DW-21 | DW-23 | DW-24 | DW-26 | DW-28 | DW-29 | DW-30 | DW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/12/2013 | 927.06 | 1013.89 | 916.93 | 1082.77 | 989.15 | 917.11 | 1021.08 | 971.19 | 993.30 | 1048.45 | 923.68 | 921.54 | 1026.23 | 1057.52 | 1084.90 | 1112.84 | -- | -- | -- |
| 8/14/2013 | 926.43 | 1013.84 | 916.67 | 1082.71 | 989.20 | 917.01 | 1021.05 | 971.06 | 993.25 | 1048.34 | 923.24 | 921.03 | 1026.19 | 1057.33 | 1084.81 | 1112.88 | -- | -- | -- |
| 9/20/2013 | 925.78 | 1013.88 | 916.94 | 1082.93 | 989.72 | 917.03 | 1021.19 | 971.11 | 993.32 | 1048.37 | 922.82 | 920.52 | 1026.05 | 1057.38 | 1084.80 | 1112.88 | -- | -- | -- |
| 10/11/2013 | 925.38 | 1013.85 | 917.36 | 1082.77 | 989.24 | 916.87 | 1021.05 | 971.08 | 993.19 | 1048.28 | 922.53 | 920.18 | 1026.10 | 1057.33 | 1084.70 | 1112.88 | -- | -- | -- |
| 11/18/2013 | 924.78 | 1013.80 | 917.81 | 1082.73 | 989.22 | 916.83 | 1020.96 | 970.97 | 993.16 | 1048.21 | 922.08 | 919.67 | 1025.94 | 1057.21 | 1084.57 | 1112.72 | -- | -- | -- |
| 12/12/2013 | 924.71 | 1013.77 | 918.44 | 1082.61 | 989.18 | 916.93 | 1021.02 | 971.10 | 993.29 | 1048.28 | 922.06 | 919.74 | 1026.06 | 1057.33 | 1084.57 | 1112.66 | -- | -- | -- |
| 1/10/2014 | 924.40 | 1013.83 | 918.16 | 1082.73 | 989.31 | 916.86 | 1020.99 | 971.11 | 993.30 | 1048.31 | 921.70 | 919.40 | 1026.18 | 1057.34 | 1084.57 | 1112.74 | -- | -- | -- |
| 2/19/2014 | 923.95 | 1013.76 | 918.62 | 1082.83 | 989.50 | 916.96 | 1021.08 | 971.24 | 993.44 | 1048.39 | 921.45 | 919.14 | 1026.03 | 1057.35 | 1084.53 | 1112.93 | -- | -- | -- |
| 3/14/2014 | 937.80 | 1013.66 | 919.17 | 1082.79 | 989.41 | 916.90 | 1020.96 | 971.12 | 993.32 | 1048.27 | 927.90 | 935.59 | 1025.88 | 1057.24 | 1084.41 | 1112.79 | -- | -- | -- |
| 4/11/2014 | 938.19 | 1013.73 | 919.02 | 1082.86 | 989.57 | 917.04 | 1021.09 | 971.27 | 993.50 | 1048.42 | 931.74 | 933.25 | 1025.99 | 1057.34 | 1084.48 | 1112.94 | -- | -- | -- |
| 5/19/2014 | 935.72 | 1013.65 | 917.57 | 1082.92 | 989.62 | 916.84 | 1021.04 | 971.21 | 993.42 | 1048.40 | 930.56 | 930.25 | 1025.88 | 1057.27 | 1084.34 | 1112.93 | -- | -- | -- |
| 6/20/2014 | 934.80 | 1013.60 | 917.31 | 1082.85 | 989.59 | 916.80 | 1021.00 | 971.19 | 993.44 | 1048.33 | 929.65 | 929.01 | 1025.85 | 1057.26 | 1084.22 | 1112.88 | -- | -- | -- |
| 7/14/2014 | 933.04 | 1013.53 | 917.00 | 1082.81 | 989.58 | 916.71 | 1020.88 | 971.10 | 993.42 | 1048.30 | 928.55 | 927.26 | 1025.74 | 1057.17 | 1084.09 | 1112.82 | -- | -- | -- |
| 8/18/2014 | 931.77 | 1013.61 | 916.89 | 1082.82 | 989.66 | 916.69 | 1020.98 | 971.24 | 993.51 | 1048.40 | 927.80 | 926.00 | 1025.90 | 1057.28 | 1084.16 | 1112.93 | -- | -- | -- |
| 9/15/2014 | 930.68 | 1013.47 | 917.05 | 1082.93 | 989.40 | 916.56 | 1020.90 | 971.15 | 993.41 | 1048.32 | 926.99 | 924.98 | 1026.26 | 1057.13 | 1084.05 | 1112.75 | -- | -- | -- |
| 10/13/2014 | 929.73 | 1013.40 | 917.77 | 1082.78 | 989.55 | 916.54 | 1020.76 | 971.04 | 993.27 | 1048.20 | 926.28 | 924.12 | 1025.65 | 1057.03 | 1083.89 | 1112.78 | -- | -- | -- |
| 11/17/2014 | 929.03 | 1013.36 | 918.33 | 1082.62 | 989.52 | 916.49 | 1020.60 | 971.04 | 993.40 | 1048.14 | 925.66 | 923.56 | 1025.64 | 1056.94 | 1083.76 | 1112.64 | -- | -- | -- |
| 12/15/2014 | 936.59 | 1013.44 | 918.88 | 1082.80 | 989.67 | 916.61 | 1020.84 | 971.11 | 993.45 | 1048.28 | 927.83 | 934.43 | 1025.75 | 1057.13 | 1083.93 | 1112.84 | -- | -- | -- |
| 1/5/2015 | 944.29 | 1013.25 | 919.18 | 1082.60 | 989.35 | 916.65 | 1020.48 | 970.97 | 993.35 | 1048.05 | 937.77 | 941.64 | 1025.65 | 1056.90 | 1083.68 | 1112.61 | -- | -- | -- |
| 2/16/2015 | 944.37 | 1013.34 | 918.97 | 1082.90 | 989.42 | 916.68 | 1020.81 | 971.19 | 993.53 | 1048.30 | 938.49 | 939.15 | 1025.74 | 1057.11 | 1083.79 | 1112.95 | -- | -- | -- |
| 3/20/2015 | 941.93 | 1013.23 | 918.96 | 1082.80 | 989.68 | 916.65 | 1020.66 | 971.05 | 993.41 | 1048.16 | 936.41 | 936.08 | 1025.60 | 1056.90 | 1083.62 | 1112.84 | -- | -- | -- |
| 4/13/2015 | 940.18 | 1013.19 | 918.35 | 1082.82 | 989.69 | 916.63 | 1020.63 | 971.04 | 993.39 | 1048.10 | 934.74 | 933.91 | 1025.58 | 1056.88 | 1083.53 | 1112.94 | -- | -- | -- |
| 5/20/2015 | 938.35 | 1013.15 | 917.64 | 1082.87 | 989.82 | 916.53 | 1020.66 | 971.17 | 993.53 | 1048.22 | 932.99 | 932.00 | 1025.67 | 1056.92 | 1083.52 | 1112.90 | -- | -- | -- |
| 6/18/2015 | 937.12 | 1013.10 | 917.39 | 1082.93 | 989.83 | 916.39 | 1020.66 | 971.09 | 993.48 | 1048.16 | 931.81 | 930.44 | 1025.72 | 1056.84 | 1083.40 | 1112.90 | -- | -- | -- |
| 7/7/2015 | 936.36 | 1013.09 | 916.99 | 1082.88 | 989.77 | 916.37 | 1020.65 | 971.06 | 993.49 | 1048.15 | 931.16 | 929.65 | 1025.63 | 1056.90 | 1083.35 | 1112.83 | -- | -- | -- |
| 8/17/2015 | 935.35 | 1013.04 | 917.22 | 1082.99 | 989.92 | 916.31 | 1020.69 | 971.14 | 993.53 | 1048.19 | 930.32 | 928.73 | 1025.55 | 1056.90 | 1083.29 | 1112.95 | -- | -- | -- |
| 9/22/2015 | 934.47 | 1012.98 | 917.03 | 1082.95 | 989.87 | 916.13 | 1020.61 | 971.01 | 993.90 | 1048.09 | 929.51 | 928.18 | 1025.51 | 1056.74 | 1083.17 | 1112.91 | -- | -- | -- |
| 10/13/2015 | 933.82 | 1012.92 | 917.30 | 1082.86 | 989.72 | 916.12 | 1020.46 | 970.96 | 993.37 | 1047.97 | 928.96 | 927.35 | 1025.61 | 1056.70 | 1082.99 | 1112.93 | -- | -- | -- |
| 11/13/2015 | 933.00 | 1012.99 | 917.87 | 1082.83 | 989.76 | 916.17 | 1020.49 | 971.13 | 993.52 | 1048.09 | 928.50 | 926.57 | 1025.59 | 1056.80 | 1083.03 | 1112.80 | -- | -- | -- |
| 12/23/2015 | 932.03 | 1012.96 | 918.21 | 1083.07 | 989.05 | 916.15 | 1020.77 | 971.23 | 993.64 | 1048.25 | 927.84 | 925.82 | 1025.61 | 1056.91 | 1083.13 | 1113.05 | -- | -- | -- |
| 1/8/2016 | 932.29 | 1012.75 | 918.38 | 1083.00 | 989.89 | 916.11 | 1020.52 | 970.98 | 993.43 | 1047.95 | 927.60 | 927.10 | 1025.31 | 1056.60 | 1082.88 | 1112.88 | -- | -- | -- |
| 2/12/2016 | 941.42 | 1012.87 | 919.23 | 1082.83 | 989.77 | 916.29 | 1020.47 | 971.08 | 993.58 | 1047.98 | 935.56 | 937.77 | 1025.55 | 1056.70 | 1082.88 | 1112.84 | -- | -- | -- |
| 3/23/2016 | 939.38 | 1012.69 | 919.19 | 1082.82 | 989.72 | 916.21 | 1020.28 | 970.89 | 993.44 | 1047.81 | 933.91 | 933.81 | 1025.30 | 1056.54 | 1082.74 | 1112.78 | -- | -- | -- |
| 4/11/2016 | 938.49 | 1012.60 | 918.44 | 1082.93 | 989.85 | 916.23 | 1020.39 | 970.96 | 993.50 | 1047.86 | 932.99 | 932.53 | 1025.29 | 1056.50 | 1082.65 | 1112.88 | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date | DW-1 | DW-3 | DW-7 | DW-8 | DW-9 | DW-12 | DW-14 | DW-15 | DW-16 | DW-17 | DW-18 | DW-21 | DW-23 | DW-24 | DW-26 | DW-28 | DW-29 | DW-30 | DW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/19/2016 | 937.03 | 1012.65 | 917.20 | 1083.01 | 989.99 | 916.24 | 1020.47 | 971.13 | 993.70 | 1048.02 | 931.67 | 930.57 | 1025.41 | 1056.61 | 1082.64 | 1112.95 | -- | -- | -- |
| 6/14/2016 | 936.05 | 1012.65 | 917.17 | 1082.98 | 989.97 | 916.24 | 1020.41 | 971.15 | 993.76 | 1048.01 | 930.84 | 929.54 | 1025.43 | 1056.58 | 1082.51 | 1112.92 | -- | -- | -- |
| 7/7/2016 | 935.32 | 1012.58 | 916.90 | 1082.95 | 989.99 | 916.07 | 1020.41 | 971.09 | 993.76 | 1047.97 | 930.21 | 928.77 | 1025.34 | 1056.57 | 1082.45 | 1112.91 | -- | -- | -- |
| 8/22/2016 | 933.97 | 1012.46 | 916.78 | 1083.03 | 990.01 | 915.95 | 1020.39 | 971.09 | 993.75 | 1047.94 | 929.08 | 927.45 | 1025.15 | 1056.45 | 1082.27 | 1112.99 | -- | -- | -- |
| 9/15/2016 | 933.25 | 1012.47 | 916.71 | 1082.91 | 989.90 | 915.92 | 1020.36 | 971.07 | 993.75 | 1047.93 | 928.61 | 926.84 | 1025.19 | 1056.45 | 1082.19 | 1112.91 | -- | -- | -- |
| 10/18/2016 | 932.35 | 1012.45 | 916.65 | 1083.07 | 989.95 | 915.90 | 1020.32 | 971.03 | 993.73 | 1047.90 | 928.00 | 926.26 | 1025.27 | 1056.44 | 1082.11 | 1112.99 | -- | -- | -- |
| 11/18/2016 | 931.81 | 1012.32 | 916.61 | 1083.02 | 989.86 | 915.87 | 1020.18 | 970.95 | 993.63 | 1047.75 | 927.54 | 925.95 | 1025.12 | 1056.29 | 1081.95 | 1112.90 | -- | -- | -- |
| 12/13/2016 | 931.55 | 1012.25 | 916.68 | 1083.15 | 989.89 | 915.86 | 1020.21 | 971.04 | 993.72 | 1047.84 | 927.41 | 925.80 | 1025.11 | 1056.27 | 1081.87 | 1112.91 | -- | -- | -- |
| 1/6/2017 | 940.82 | 1012.23 | 918.00 | 1083.12 | 989.96 | 915.93 | 1020.24 | 970.93 | 993.63 | 1047.76 | 933.26 | 937.56 | 1025.08 | 1056.28 | 1081.94 | 1112.98 | -- | -- | -- |
| 2/15/2017 | 952.18 | 1012.31 | 920.07 | 1083.07 | 989.96 | 916.43 | 1020.23 | 971.05 | 993.75 | 1047.86 | 946.05 | 948.52 | -- | -- | -- | 1112.97 | -- | -- | -- |
| 3/15/2017 | 949.69 | 1012.25 | 920.03 | 1083.15 | 990.04 | 915.66 | 1020.22 | 971.08 | 993.74 | 1047.86 | 944.27 | 945.44 | -- | -- | -- | 1113.02 | -- | -- | -- |
| 4/13/2017 | 947.47 | 1012.14 | 919.96 | 1083.25 | 990.09 | 916.97 | 1020.16 | 971.04 | 993.74 | 1047.84 | 941.49 | 941.18 | 1025.15 | 1056.23 | 1081.96 | 1113.10 | -- | -- | -- |
| 5/18/2017 | 945.12 | 1012.24 | 919.11 | 1083.28 | 990.20 | 916.93 | 1020.22 | 971.10 | 993.80 | 1047.92 | 939.18 | 938.42 | 1025.19 | 1056.29 | 1081.99 | 1113.18 | -- | -- | -- |
| 6/23/2017 | 942.97 | 1012.08 | 921.04 | 1083.27 | 990.15 | 917.04 | 1020.19 | 971.05 | 993.74 | 1047.96 | 937.05 | 936.01 | 1025.21 | 1056.28 | 1081.95 | 1113.17 | -- | -- | -- |
| 7/7/2017 | 942.24 | 1012.16 | 921.18 | 1083.20 | 990.18 | 917.26 | 1020.17 | 971.14 | 993.86 | 1048.06 | 936.45 | 935.26 | 1025.24 | 1056.31 | 1081.93 | 1113.12 | -- | -- | -- |
| 8/22/2017 | 940.02 | 1011.99 | 918.95 | 1083.21 | 990.08 | 917.17 | 1020.03 | 971.01 | 993.74 | 1048.01 | 934.29 | 933.10 | 1025.21 | 1056.10 | 1081.66 | 1113.26 | -- | -- | -- |
| 9/9/2017 | 939.41 | 1011.95 | 918.50 | 1083.22 | 990.12 | 917.06 | 1020.03 | 970.99 | 993.72 | 1048.03 | 933.75 | 932.32 | 1025.17 | 1056.09 | 1081.60 | 1113.20 | -- | -- | -- |
| 10/13/2017 | 938.09 | 1011.87 | 917.28 | 1083.20 | 990.09 | 916.78 | 1020.01 | 970.98 | 993.70 | 1048.08 | 932.59 | 931.29 | 1025.04 | 1056.03 | 1081.53 | 1113.07 | -- | -- | -- |
| 11/24/2017 | 937.28 | 1011.81 | 916.86 | 1083.18 | 990.09 | 916.70 | 1019.98 | 970.95 | 993.69 | 1048.06 | 932.00 | 930.44 | 1025.00 | 1056.00 | 1081.48 | 1112.99 | -- | -- | -- |
| 12/20/2017 | 936.35 | 1011.78 | 917.44 | 1083.24 | 990.03 | 916.48 | 1019.94 | 970.93 | 993.64 | 1048.12 | 931.20 | 930.50 | 1025.03 | 1055.98 | 1081.43 | 1113.11 | -- | -- | -- |
| 1/12/2018 | 935.88 | 1011.74 | 918.21 | 1083.27 | 989.96 | 916.27 | 1019.90 | 970.90 | 993.60 | 1048.14 | 930.68 | 930.58 | 1025.08 | 1055.95 | 1081.40 | 1113.17 | -- | -- | -- |
| 2/15/2018 | 935.54 | 1011.73 | 918.27 | 1083.29 | 989.95 | 916.24 | 1019.91 | 970.87 | 993.58 | 1048.19 | 930.24 | 930.76 | 1025.06 | 1055.96 | 1081.37 | 1113.13 | -- | -- | -- |
| 3/16/2018 | 938.13 | 1011.70 | 918.54 | 1083.30 | 989.92 | 916.34 | 1019.94 | 970.92 | 993.60 | 1048.21 | 933.47 | 936.03 | 1025.09 | 1055.93 | 1081.36 | 1113.11 | -- | -- | -- |
| 4/18/2018 | 945.92 | 1011.65 | 919.16 | 1083.39 | 990.16 | 916.64 | 1019.92 | 971.03 | 993.66 | 1048.47 | 941.08 | 941.60 | 1025.10 | 1055.94 | 1081.34 | 1113.17 | -- | -- | -- |
| 7/10/2018 | 940.92 | 1011.43 | 917.91 | 1083.43 | 990.21 | 916.70 | 1019.95 | 971.05 | 993.68 | 1048.61 | 935.61 | 934.75 | 1024.89 | 1055.84 | 1081.03 | 1113.29 | 941.80 | -- | -- |
| 10/12/2018 | 936.72 | 1011.44 | 918.38 | 1083.53 | 990.28 | 916.54 | 1019.93 | 971.04 | 993.66 | 1048.74 | 931.78 | 930.48 | 1024.98 | 1055.83 | 1080.96 | 1113.44 | 937.48 | -- | -- |
| 1/25/2019 | 946.26 | 1011.26 | 919.86 | 1083.29 | 990.02 | 916.61 | 1019.64 | 970.95 | 993.60 | 1048.71 | 939.87 | 942.50 | 1024.87 | 1055.64 | 1080.69 | 1113.26 | 946.97 | -- | -- |
| 4/22/2019 | 952.12 | 1011.07 | 921.78 | 1083.49 | 990.25 | 917.53 | 1019.76 | 971.00 | 993.67 | 1048.83 | 946.80 | 946.77 | 1024.82 | 1055.59 | 1080.74 | 1113.45 | 953.08 | -- | -- |
| 7/5/2019 | 945.87 | 1010.96 | 918.88 | 1083.61 | 989.29 | 917.37 | 1019.65 | 970.92 | 993.56 | 1049.01 | 940.27 | 939.43 | 1024.76 | 1055.46 | 1080.51 | 1113.40 | 946.89 | -- | -- |
| 10/10/2019 | 940.29 | 1010.76 | 916.86 | 1083.63 | 989.91 | 916.61 | 1019.67 | 970.85 | 993.54 | 1049.26 | 934.98 | 933.87 | 1024.81 | 1055.44 | 1080.22 | 1113.71 | 941.23 | -- | -- |
| 1/10/2020 | 945.73 | 1010.69 | 919.93 | 1083.57 | 989.65 | 916.72 | 1019.41 | 970.75 | 993.22 | 1049.45 | 940.00 | 940.89 | 1024.64 | 1055.21 | 1080.17 | 1113.41 | 946.36 | -- | -- |
| 4/21/2020 | 953.03 | 1010.60 | 921.10 | 1083.60 | 989.96 | 917.33 | 1019.40 | 970.87 | 993.37 | 1050.39 | 947.99 | 948.95 | 1024.88 | 1055.19 | 1080.20 | 1113.61 | 953.80 | -- | -- |
| 7/16/2020 | 945.04 | 1010.57 | 920.37 | 1083.55 | 990.17 | 917.56 | 1019.47 | 970.98 | 993.38 | 1050.23 | 939.90 | 939.01 | 1024.96 | 1055.21 | 1080.07 | 1113.74 | 945.98 | -- | -- |
| 10/19/2020 | 939.22 | 1010.49 | 918.89 | 1083.62 | 990.19 | 917.36 | 1019.37 | 970.94 | 993.27 | 1050.61 | 934.24 | 933.03 | 1024.97 | 1055.19 | 1079.91 | 1113.67 | 940.11 | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date | DW-1 | DW-3 | DW-7 | DW-8 | DW-9 | DW-12 | DW-14 | DW-15 | DW-16 | DW-17 | DW-18 | DW-21 | DW-23 | DW-24 | DW-26 | DW-28 | DW-29 | DW-30 | DW-31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/6/2021 | 932.05 | 1010.26 | 917.57 | 1083.68 | 990.39 | 917.19 | 1019.27 | 971.20 | 993.19 | 1051.16 | 928.77 | 927.13 | 1025.01 | 1055.18 | 1079.59 | 1113.69 | 932.58 | -- | -- |
| 10/18/2021 | 930.58 | 1010.21 | 918.65 | 1083.71 | 990.28 | 916.72 | 1019.28 | 971.30 | 993.31 | 1051.38 | 927.41 | 925.64 | 1024.91 | 1055.22 | 1079.50 | 1113.77 | 930.92 | -- | -- |
| 1/20/2022 | 942.05 | 1010.06 | 920.29 | 1083.77 | 990.24 | 916.90 | 1019.12 | 971.08 | 993.14 | 1051.35 | 937.12 | 939.01 | 1024.71 | 1055.08 | 1079.51 | 1113.68 | 942.23 | -- | -- |
| 4/20/2022 | 938.30 | 1010.06 | 919.09 | 1083.88 | 990.32 | 916.90 | 1019.20 | 971.33 | 993.35 | 1051.55 | 933.83 | 933.35 | 1024.72 | 1055.10 | 1079.47 | 1113.83 | 938.84 | -- | -- |
| 7/6/2022 | 934.57 | 1010.03 | 917.90 | 1083.86 | 990.28 | 916.56 | 1019.15 | 971.42 | 993.44 | 1051.62 | 930.93 | 929.48 | 1024.69 | 1055.01 | 1079.29 | 1113.80 | 935.24 | -- | -- |
| 10/20/2022 | 930.61 | 1009.89 | 917.21 | 1083.77 | 990.19 | 916.04 | 1018.93 | 971.37 | 993.37 | 1051.61 | 927.96 | 926.08 | 1024.65 | 1054.86 | 1079.03 | 1113.80 | 931.18 | -- | -- |
| 1/12/2023 | 938.16 | 1009.86 | 920.20 | 1083.80 | 990.30 | 917.05 | 1018.92 | 971.42 | 993.44 | 1051.70 | 933.92 | 932.38 | -- | -- | -- | 1113.88 | 940.43 | -- | -- |
| 4/18/2023 | 940.49 | 1009.83 | 925.73 | 1083.84 | 990.40 | 918.16 | 1018.89 | 971.49 | 993.44 | 1051.76 | 934.44 | 934.11 | 1024.66 | 1054.79 | -- | 1113.96 | 942.33 | -- | -- |
| 7/10/2023 | 936.30 | 1010.58 | 924.44 | 1084.04 | 990.63 | 919.22 | 1018.87 | 971.55 | 993.42 | 1052.46 | 931.66 | 930.58 | 1024.62 | 1054.76 | 1079.56 | 1113.94 | 937.38 | -- | -- |
| 10/20/2023 | 933.09 | 1011.16 | 924.64 | 1083.94 | 990.15 | 920.09 | 1018.86 | 971.49 | 993.26 | 1053.19 | 929.27 | 927.90 | 1024.60 | 1054.73 | -- | 1113.94 | 933.83 | -- | -- |
| 1/11/2024 | 931.79 | 1011.47 | 925.14 | 1084.08 | 990.92 | 920.46 | 1019.04 | -- | 993.27 | 1053.71 | 927.78 | 926.69 | -- | 1054.84 | 1079.83 | -- | 933.41 | -- | -- |
| 4/19/2024 | 933.97 | 1011.98 | 926.23 | 1084.03 | 991.14 | 921.42 | 1018.67 | -- | 993.22 | 1054.10 | 929.13 | 928.83 | 1024.61 | 1054.73 | -- | 1114.24 | 935.37 | -- | -- |
| 7/3/2024 | 933.16 | 1012.40 | 925.55 | 1084.08 | 991.26 | 921.85 | 1018.64 | 970.27 | 993.15 | 1054.68 | 929.04 | 928.36 | 1025.53 | 1054.68 | 1080.25 | 1114.01 | 934.28 | -- | -- |
| 10/21/2024 | 929.54 | 1013.20 | 925.21 | 1083.90 | 991.00 | 922.27 | 1018.40 | 970.43 | 993.10 | 1055.29 | 926.93 | 925.53 | 1025.73 | 1054.67 | 1080.27 | 1113.92 | 930.20 | 953.53 | 921.67 |
| 1/9/2025 | 927.56 | 1013.68 | 925.40 | 1085.92 | 991.15 | 922.69 | 1018.48 | 970.43 | 993.11 | 1055.62 | 925.64 | 924.03 | 1025.82 | 1054.80 | 1080.48 | 1114.04 | 927.95 | 953.66 | 920.46 |
| 4/21/2025 | 935.01 | 1014.27 | 925.14 | 1084.09 | 991.43 | 922.98 | 1018.65 | 970.55 | 993.28 | 1056.05 | 929.36 | 929.79 | 1026.09 | 1055.02 | 1080.90 | 1113.23 | 937.05 | 953.74 | 924.47 |

**Most Recent Elevation Calculation:**

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/21/2025 | | | | | | | | | | | | | | | | | | | |
| TOCE | 984.31 | 1104.17 | 958.97 | 1265.13 | 1224.34 | 1027.57 | 1237.49 | 1111.16 | 1176.08 | 1197.59 | 989.38 | 990.16 | 1372.5 | 1289.92 | 1177.31 | 1447.15 | 983.82 | 1094.38 | 980.1 |
| DTW | 49.3 | 89.9 | 33.83 | 181.04 | 232.91 | 104.59 | 218.84 | 140.61 | 182.8 | 141.54 | 60.02 | 60.37 | 346.41 | 234.9 | 96.41 | 333.92 | 46.77 | 140.64 | 55.63 |
| GWE | 935.01 | 1014.27 | 925.14 | 1084.09 | 991.43 | 922.98 | 1018.65 | 970.55 | 993.28 | 1056.05 | 929.36 | 929.79 | 1026.09 | 1055.02 | 1080.90 | 1113.23 | 937.05 | 953.74 | 924.47 |

Notes:

-- = Not Measured
TOCE = Top of Casing Elevation
DTW = Depth to Water
GWE = Groundwater Elevation

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date - | PZ-3 | PZ-4 | PZ-5 | PZ-6 | PZ-7 | GP-16 | GP-17 | GP-21 | GP-22 | GP-24 | GP-25 | GP-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/28/1986 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/2/1986 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/16/1986 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/10/1986 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/17/1986 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/24/1987 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/16/1987 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/17/1987 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/4/1987 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/18/1988 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/17/1988 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/15/1988 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/4/1988 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/5/1988 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/6/1988 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/7/1988 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/14/1989 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/8/1989 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/9/1989 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/1/1989 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/2/1989 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/3/1989 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/4/1989 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/28/1989 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/3/1989 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/4/1989 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/6/1989 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/29/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/30/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/31/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/27/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/14/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/11/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/12/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date - | PZ-3 | PZ-4 | PZ-5 | PZ-6 | PZ-7 | GP-16 | GP-17 | GP-21 | GP-22 | GP-24 | GP-25 | GP-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/13/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/16/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/19/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/11/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/17/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/17/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/16/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/17/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/18/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/15/1990 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/21/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/22/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/23/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/6/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/19/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/23/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/18/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/20/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/22/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/1/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/2/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/17/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/21/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/22/1991 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/28/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/3/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/16/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/20/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/16/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/20/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/14/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/23/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/19/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date - | PZ-3 | PZ-4 | PZ-5 | PZ-6 | PZ-7 | GP-16 | GP-17 | GP-21 | GP-22 | GP-24 | GP-25 | GP-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/16/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/16/1992 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/19/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/16/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/24/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/19/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/18/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/15/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/19/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/17/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/16/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/18/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/16/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/16/1993 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/31/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/16/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/16/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/18/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/19/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/18/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/18/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/10/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/7/1994 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/5/1995 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/3/1995 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/10/1995 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/17/1995 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/12/1995 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/11/1995 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/12/1995 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/9/1996 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/13/1996 | 1036.77 | 1000.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/14/1996 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/1996 | 1036.72 | 1000.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date - | PZ-3 | PZ-4 | PZ-5 | PZ-6 | PZ-7 | GP-16 | GP-17 | GP-21 | GP-22 | GP-24 | GP-25 | GP-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/24/1996 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/8/1996 | 1036.60 | 1000.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/9/1996 | 1036.31 | 1000.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/29/1997 | 1036.15 | 1000.07 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/1997 | 1036.05 | 999.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/11/1997 | -- | 999.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/7/1997 | 1035.97 | 999.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/7/1997 | 1035.62 | 999.83 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/19/1998 | 1035.45 | 999.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/22/1998 | 1035.81 | 999.43 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/22/1998 | 1036.57 | 999.58 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/19/1998 | 1041.28 | 999.58 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/22/1999 | 1041.09 | 999.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/16/1999 | 1037.72 | 999.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/26/1999 | 1036.77 | 999.51 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/29/1999 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/19/1999 | 1037.62 | 998.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/24/2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/25/2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/2/2000 | 1037.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/3/2000 | -- | 999.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/1/2000 | 1037.82 | 999.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/21/2000 | 1037.61 | 999.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/19/2000 | 1037.44 | 999.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/22/2001 | 1037.27 | 999.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/16/2001 | 1037.12 | 999.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/13/2001 | 1036.90 | 999.58 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/5/2001 | 1036.65 | 996.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/18/2002 | 1036.49 | 999.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/5/2002 | 1036.30 | 999.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/8/2002 | 1039.72 | 1002.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/7/2002 | 1038.44 | 1002.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/13/2003 | 1038.25 | 1002.51 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/7/2003 | 1037.88 | 1002.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date - | PZ-3 | PZ-4 | PZ-5 | PZ-6 | PZ-7 | GP-16 | GP-17 | GP-21 | GP-22 | GP-24 | GP-25 | GP-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/15/2003 | 1037.73 | 1002.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/23/2003 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 9/11/2003 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/13/2003 | 1037.52 | 1002.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/12/2004 | 1037.34 | 1002.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/15/2004 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/19/2004 | 1037.13 | 1002.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 7/9/2004 | 1037.04 | 1002.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/6/2004 | 1036.86 | 1002.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/10/2004 | 1036.75 | 1002.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/3/2004 | -- | -- | 1137.00 | 1099.60 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/7/2004 | -- | -- | 1135.67 | 1094.85 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/9/2004 | 1036.62 | 1002.52 | 1134.30 | 1096.65 | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/15/2004 | -- | -- | -- | -- | 1072.29 | -- | -- | -- | -- | -- | -- | -- |
| 12/16/2004 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/23/2004 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/30/2004 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/6/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/14/2005 | 1036.72 | 1002.71 | 1139.01 | 1097.90 | 1071.87 | -- | -- | -- | -- | -- | -- | -- |
| 1/21/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/28/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/4/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/10/2005 | 1037.04 | 1002.74 | 1138.72 | 1098.02 | 1075.22 | -- | -- | -- | -- | -- | -- | -- |
| 2/18/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/25/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/4/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/11/2005 | 1037.43 | 1002.69 | 1138.92 | 1098.40 | 1076.84 | -- | -- | -- | -- | -- | -- | -- |
| 3/18/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3/25/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/1/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/8/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/15/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4/20/2005 | 1041.98 | 1002.67 | 1138.77 | 1100.01 | 1077.57 | -- | -- | -- | -- | -- | -- | -- |
| 4/28/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date - | PZ-3 | PZ-4 | PZ-5 | PZ-6 | PZ-7 | GP-16 | GP-17 | GP-21 | GP-22 | GP-24 | GP-25 | GP-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/6/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/17/2005 | 1038.37 | 1002.74 | 1138.48 | 1102.14 | 1078.13 | -- | -- | -- | -- | -- | -- | -- |
| 5/20/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 5/27/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/3/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 6/10/2005 | 1038.68 | 1002.82 | 1138.76 | 1104.04 | 1078.59 | -- | -- | -- | -- | -- | -- | -- |
| 7/8/2005 | 1039.01 | 1002.82 | 1138.67 | 1105.99 | 1079.07 | -- | -- | -- | -- | -- | -- | -- |
| 7/15/2005 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 8/9/2005 | 1039.37 | 1002.87 | 1138.62 | 1107.84 | 1079.57 | -- | -- | -- | -- | -- | -- | -- |
| 9/9/2005 | 1039.70 | 1002.91 | 1138.62 | 1109.00 | 1079.99 | -- | -- | -- | -- | -- | -- | -- |
| 10/14/2005 | 1040.10 | 1003.06 | 1138.62 | 1109.72 | 1080.39 | -- | -- | -- | -- | -- | -- | -- |
| 11/21/2005 | 1040.37 | 1003.04 | 1138.52 | 1110.20 | 1080.66 | -- | -- | -- | -- | -- | -- | -- |
| 12/9/2005 | 1040.54 | 1003.09 | 1138.57 | 1110.27 | 1080.80 | -- | -- | -- | -- | -- | -- | -- |
| 1/13/2006 | 1040.86 | 1003.23 | 1138.71 | 1110.50 | 1081.17 | -- | -- | -- | -- | -- | -- | -- |
| 2/10/2006 | 1040.93 | 1003.09 | 1138.67 | 1110.41 | 1081.32 | -- | -- | -- | -- | -- | -- | -- |
| 3/9/2006 | 1041.26 | 1003.36 | 1138.69 | 1110.81 | 1081.65 | -- | -- | -- | -- | -- | -- | -- |
| 4/24/2006 | 1041.44 | 1003.32 | 1138.90 | 1110.40 | 1082.02 | -- | -- | -- | -- | -- | -- | -- |
| 5/10/2006 | 1041.52 | 1003.34 | 1138.79 | 1110.27 | 1082.04 | -- | -- | -- | -- | -- | -- | -- |
| 6/13/2006 | 1041.63 | 1003.36 | 1138.80 | 1109.93 | 1082.14 | -- | -- | -- | -- | -- | -- | -- |
| 7/6/2006 | 1041.76 | 1003.48 | 1138.74 | 1109.74 | 1082.13 | -- | -- | -- | -- | -- | -- | -- |
| 8/9/2006 | 1041.84 | 1003.51 | 1138.70 | 1109.45 | 1082.26 | -- | -- | -- | -- | -- | -- | -- |
| 9/8/2006 | -- | 1003.48 | 1138.81 | 1109.19 | 1082.38 | -- | -- | -- | -- | -- | -- | -- |
| 10/9/2006 | 1041.95 | 1003.52 | 1138.73 | 1108.84 | 1082.55 | -- | -- | -- | -- | -- | -- | -- |
| 11/14/2006 | 1041.98 | 1003.65 | 1138.77 | 1108.49 | 1082.68 | -- | -- | -- | -- | -- | -- | -- |
| 12/7/2006 | 1041.97 | 1003.66 | 1138.72 | 1108.27 | 1082.72 | -- | -- | -- | -- | -- | -- | -- |
| 1/15/2007 | 1041.88 | 1003.64 | 1138.73 | 1107.89 | 1082.87 | -- | -- | -- | -- | -- | -- | -- |
| 2/21/2007 | 1041.60 | 1003.79 | 1138.88 | 1107.83 | 1083.07 | -- | -- | -- | -- | -- | -- | -- |
| 3/14/2007 | 1041.99 | 1003.78 | 1138.86 | 1107.69 | 1083.13 | -- | -- | -- | -- | -- | -- | -- |
| 4/17/2007 | 1041.91 | 1003.78 | 1138.93 | 1107.38 | 1083.25 | -- | -- | -- | -- | -- | -- | -- |
| 5/11/2007 | 1041.96 | 1003.91 | 1138.95 | 1107.25 | 1083.34 | -- | -- | -- | -- | -- | -- | -- |
| 6/8/2007 | 1041.99 | 1003.96 | 1139.01 | 1107.14 | 1083.41 | -- | -- | -- | -- | -- | -- | -- |
| 7/7/2007 | 1041.91 | 1003.98 | 1139.02 | 1106.88 | 1083.44 | -- | -- | -- | -- | -- | -- | -- |
| 8/10/2007 | 1041.85 | 1004.00 | 1138.99 | 1106.55 | 1083.46 | -- | -- | -- | -- | -- | -- | -- |
| 9/10/2007 | 1041.76 | 1004.01 | 1139.05 | 1106.29 | 1083.62 | -- | -- | -- | -- | -- | -- | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date - | PZ-3 | PZ-4 | PZ-5 | PZ-6 | PZ-7 | GP-16 | GP-17 | GP-21 | GP-22 | GP-24 | GP-25 | GP-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/12/2007 | 1041.76 | 1004.11 | 1139.03 | 1106.13 | 1083.66 | -- | -- | -- | -- | -- | -- | -- |
| 11/8/2007 | 1041.65 | 1004.08 | 1138.95 | 1105.77 | 1083.69 | -- | -- | -- | -- | -- | -- | -- |
| 12/14/2007 | 1041.52 | 1004.15 | 1139.06 | 1105.64 | 1083.82 | -- | -- | -- | -- | -- | -- | -- |
| 1/15/2008 | 1040.62 | 1004.29 | 1139.19 | 1105.49 | 1083.99 | -- | -- | -- | -- | -- | -- | -- |
| 2/26/2008 | 1041.48 | 1004.21 | 1139.27 | 1105.30 | 1084.19 | -- | -- | -- | -- | -- | -- | -- |
| 3/18/2008 | 1041.47 | 1004.23 | 1139.17 | 1105.10 | 1084.10 | -- | -- | -- | -- | -- | -- | -- |
| 4/8/2008 | 1041.53 | 1004.35 | 1139.16 | 1105.03 | 1084.02 | -- | -- | -- | -- | -- | -- | -- |
| 5/9/2008 | 1041.43 | 1004.35 | 1139.16 | 1104.73 | 1084.00 | -- | -- | -- | -- | -- | -- | -- |
| 6/17/2008 | 1041.33 | 1004.36 | 1139.21 | 1104.42 | 1084.04 | -- | -- | -- | -- | -- | -- | -- |
| 7/9/2008 | 1041.32 | 1004.37 | 1139.25 | 1104.35 | 1084.03 | -- | -- | -- | -- | -- | -- | -- |
| 8/13/2008 | 1041.28 | 1004.47 | 1139.22 | 1104.09 | 1084.10 | -- | -- | -- | -- | -- | -- | -- |
| 9/10/2008 | 1041.17 | 1004.48 | 1139.26 | 1103.87 | 1084.18 | -- | -- | -- | -- | -- | -- | -- |
| 10/13/2008 | 1040.97 | 1004.41 | 1139.17 | 1103.41 | 1084.11 | -- | -- | -- | -- | -- | -- | -- |
| 11/14/2008 | 1041.02 | 1004.60 | 1139.17 | 1103.32 | 1084.02 | -- | -- | -- | -- | -- | -- | -- |
| 12/19/2008 | 1040.86 | 1004.57 | 1139.26 | 1103.09 | 1084.15 | -- | -- | -- | -- | -- | -- | -- |
| 1/9/2009 | 1040.87 | 1004.60 | 1139.24 | 1103.02 | 1083.91 | -- | -- | -- | -- | -- | -- | -- |
| 2/12/2009 | 1040.81 | 1004.69 | 1139.36 | 1102.90 | 1084.10 | -- | -- | -- | -- | -- | -- | -- |
| 3/10/2009 | 1040.78 | 1004.75 | 1139.36 | 1102.85 | 1084.17 | -- | -- | -- | -- | -- | -- | -- |
| 4/13/2009 | 1040.75 | 1004.85 | 1139.37 | 1102.65 | 1084.14 | -- | -- | -- | -- | -- | -- | -- |
| 5/12/2009 | 1040.66 | 1004.85 | 1139.36 | 1102.48 | 1083.92 | -- | -- | -- | -- | -- | -- | -- |
| 6/15/2009 | 1040.54 | 1004.86 | 1139.37 | 1102.20 | 1083.89 | -- | -- | -- | -- | -- | -- | -- |
| 7/10/2009 | 1040.47 | 1004.88 | 1139.44 | 1102.06 | 1083.87 | -- | -- | -- | -- | -- | -- | -- |
| 8/14/2009 | 1040.38 | 1004.90 | 1139.35 | 1101.81 | 1083.73 | -- | -- | -- | -- | -- | -- | -- |
| 9/16/2009 | 1040.36 | 1005.04 | 1139.41 | 1101.69 | 1083.77 | 1002.74 | 999.90 | 989.97 | 1037.56 | 1058.92 | 1136.23 | -- |
| 10/19/2009 | 1040.22 | 1005.04 | 1139.51 | 1101.54 | 1083.68 | 1002.90 | 999.91 | 989.78 | 1036.39 | 1058.69 | 1136.45 | -- |
| 11/13/2009 | 1040.19 | 1005.06 | 1139.41 | 1101.45 | 1083.53 | 1003.00 | 999.96 | 989.78 | 1036.30 | 1058.68 | 1136.64 | -- |
| 12/15/2009 | 1039.96 | 1005.05 | 1139.53 | 1101.14 | 1083.62 | 1002.88 | 999.88 | 989.27 | 1036.50 | 1058.26 | 1136.42 | -- |
| 1/9/2010 | 1040.02 | 1005.20 | 1139.42 | 1101.11 | 1083.49 | 1002.94 | 999.91 | 989.35 | 1036.50 | 1058.26 | 1136.55 | -- |
| 1/11/2010 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2/17/2010 | 1039.92 | 1005.27 | 1139.66 | 1101.13 | 1083.60 | 1002.97 | 999.95 | 989.21 | 1036.77 | 1058.15 | 1136.74 | -- |
| 3/16/2010 | 1039.75 | 1005.24 | 1139.54 | 1100.88 | 1083.51 | 1002.93 | 999.91 | 988.97 | 1036.87 | 1057.99 | 1136.59 | -- |
| 4/13/2010 | 1039.77 | 1005.31 | 1139.55 | 1100.86 | 1084.02 | 1002.99 | 999.97 | 989.05 | 1037.00 | 1058.10 | 1136.91 | -- |
| 5/13/2010 | 1039.76 | 1005.45 | 1139.52 | 1100.72 | 1083.95 | 1003.04 | 1000.02 | 988.97 | 1037.10 | 1058.04 | 1137.00 | -- |
| 6/9/2010 | 1039.60 | 1005.41 | 1139.54 | 1100.46 | 1083.83 | 1003.00 | 999.96 | 988.77 | 1037.24 | 1057.87 | 1136.96 | -- |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date - | PZ-3 | PZ-4 | PZ-5 | PZ-6 | PZ-7 | GP-16 | GP-17 | GP-21 | GP-22 | GP-24 | GP-25 | GP-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/6/2010 | 1039.59 | 1005.55 | 1139.61 | 1100.38 | 1083.88 | 1002.90 | 999.94 | 988.61 | 1037.28 | 1057.81 | 1137.09 | -- |
| 8/12/2010 | 1039.49 | 1005.58 | 1139.60 | 1100.17 | 1083.76 | 1003.23 | 1000.16 | 988.71 | 1037.70 | 1057.68 | 1135.09 | 1163.06 |
| 9/16/2010 | 1039.38 | 1005.63 | 1139.55 | 1099.92 | 1083.59 | 1003.24 | 1000.16 | 988.57 | 1037.78 | 1057.52 | 1137.09 | 1162.97 |
| 10/15/2010 | 1039.21 | 1005.53 | 1139.47 | 1099.68 | 1083.36 | 1002.97 | 999.95 | 988.28 | 1037.59 | 1057.31 | 1136.97 | 1162.85 |
| 11/12/2010 | 1039.05 | 1005.45 | 1139.40 | 1100.33 | 1083.33 | 1002.95 | 999.89 | 988.07 | 1037.85 | 1057.05 | 1136.84 | 1162.64 |
| 12/8/2010 | 1039.06 | 1005.61 | 1139.47 | 1099.40 | 1083.20 | 1003.03 | 999.95 | 988.10 | 1037.63 | 1057.08 | 1136.95 | 1162.83 |
| 1/11/2011 | 1038.99 | 1005.57 | 1139.73 | 1099.48 | 1083.43 | 1002.98 | 999.91 | 988.01 | 1037.84 | 1056.88 | 1137.00 | 1162.85 |
| 2/15/2011 | 1038.99 | 1005.78 | 1139.62 | 1099.37 | 1083.18 | 1003.24 | 1000.11 | 988.08 | 1037.82 | 1056.85 | 1137.14 | 1162.93 |
| 3/15/2011 | 1038.92 | 1005.83 | 1139.70 | 1099.34 | 1083.13 | 1003.25 | 1000.14 | 988.05 | 1038.20 | 1056.73 | 1137.22 | 1163.03 |
| 4/15/2011 | 1038.89 | 1005.87 | 1139.80 | 1099.29 | 1083.13 | 1003.25 | 1000.14 | 987.95 | 1038.35 | 1056.63 | 1137.20 | 1163.09 |
| 5/12/2011 | 1038.80 | 1005.83 | 1139.74 | 1099.16 | 1082.93 | 1003.27 | 1000.10 | 987.93 | 1038.47 | 1056.61 | 1137.33 | 1163.17 |
| 6/16/2011 | 1038.76 | 1005.93 | 1139.80 | 1099.09 | 1082.72 | 1003.29 | 1000.14 | 987.91 | 1038.60 | 1056.63 | 1137.47 | 1163.23 |
| 7/11/2011 | 1038.66 | 1005.76 | 1139.81 | 1098.89 | 1082.68 | 1003.25 | 1000.14 | 987.81 | 1038.75 | 1056.48 | 1137.44 | 1163.20 |
| 8/17/2011 | 1038.61 | 1005.91 | 1139.82 | 1098.70 | 1082.49 | 1003.27 | 1000.15 | 987.77 | 1038.82 | 1056.36 | 1137.41 | 1162.92 |
| 9/16/2011 | 1038.53 | 1005.85 | 1139.73 | 1098.53 | 1082.23 | 1003.17 | 1000.07 | 987.53 | 1038.91 | 1056.34 | 1137.44 | 1163.07 |
| 10/17/2011 | 1038.45 | 1005.91 | 1139.74 | 1098.40 | 1082.19 | 1003.03 | 999.97 | 987.47 | 1038.97 | 1056.17 | 1136.86 | 1163.00 |
| 1/6/2012 | 1038.26 | 1006.01 | 1139.67 | 1098.21 | 1081.68 | 1003.09 | 1000.00 | 987.45 | 1038.98 | 1056.24 | 1137.32 | 1163.25 |
| 2/16/2012 | 1038.13 | 1005.91 | 1139.76 | 1098.19 | 1081.67 | 1003.08 | 999.92 | 987.34 | 1039.23 | 1056.12 | 1137.41 | 1163.28 |
| 3/15/2012 | 1038.28 | 1006.19 | 1139.77 | 1098.05 | 1081.55 | 1003.04 | 999.96 | 987.37 | 1039.09 | 1056.13 | 1137.41 | 1163.01 |
| 4/17/2012 | 1038.08 | 1006.34 | 1139.96 | 1098.09 | 1081.62 | 1003.23 | 999.97 | 987.19 | 1039.40 | 1056.13 | 1137.48 | 1163.06 |
| 5/17/2012 | 1037.98 | 1006.37 | 1139.88 | 1098.00 | 1081.48 | 1003.09 | 1000.05 | 987.29 | 1039.65 | 1056.18 | 1137.40 | 1163.28 |
| 6/15/2012 | 1037.92 | 1006.38 | 1139.91 | 1097.85 | 1081.27 | 1003.07 | 999.99 | 987.22 | 1039.18 | 1056.08 | 1137.61 | 1163.34 |
| 7/6/2012 | 1037.81 | 1006.34 | 1139.65 | 1097.68 | 1081.14 | 1002.89 | 999.86 | 987.16 | 1039.16 | 1055.98 | 1137.47 | 1163.41 |
| 8/16/2012 | 1037.76 | 1006.36 | 1139.91 | 1097.61 | 1081.02 | 1002.97 | 1000.02 | 987.15 | 1039.99 | 1055.92 | 1137.61 | 1163.26 |
| 9/13/2012 | 1037.65 | 1006.32 | 1139.83 | 1097.45 | 1080.84 | 1003.01 | 999.86 | 987.05 | 1039.81 | 1055.74 | 1137.46 | 1163.15 |
| 10/15/2012 | 1037.67 | 1006.45 | 1139.78 | 1097.47 | 1080.67 | 1003.06 | 999.89 | 986.99 | 1039.84 | 1055.78 | 1137.45 | 1163.21 |
| 11/15/2012 | 1037.52 | 1006.35 | 1139.78 | 1097.27 | 1080.46 | 1003.04 | 999.86 | 986.94 | 1039.81 | 1055.62 | 1137.44 | 1163.09 |
| 12/20/2012 | 1037.45 | 1006.39 | 1139.86 | 1097.17 | 1080.43 | 1002.97 | 999.80 | 986.77 | 1039.89 | 1055.38 | 1137.31 | 1163.02 |
| 1/4/2013 | 1037.35 | 1006.29 | 1139.80 | 1097.08 | 1080.32 | 1003.01 | 999.82 | 986.82 | 1039.95 | 1055.33 | 1137.35 | 1163.05 |
| 2/14/2013 | 1037.32 | 1006.42 | 1139.83 | 1097.03 | 1080.14 | 1003.00 | 999.87 | 986.75 | 1040.14 | 1055.31 | 1137.42 | 1163.06 |
| 3/7/2013 | 1037.33 | 1006.50 | 1139.87 | 1097.09 | 1080.06 | 1003.07 | 999.89 | 986.89 | 1040.16 | 1052.34 | 1137.58 | 1163.22 |
| 4/10/2013 | 1037.23 | 1006.47 | 1139.93 | 1096.96 | 1080.11 | 1003.06 | 999.87 | 986.84 | 1040.56 | 1055.11 | 1137.68 | 1163.19 |
| 5/15/2013 | 1037.18 | 1006.56 | 1139.93 | 1096.87 | 1079.86 | 1003.09 | 999.89 | 986.78 | 1040.44 | 1055.07 | 1137.57 | 1163.39 |
| 6/13/2013 | 1037.11 | 1006.58 | 1140.03 | 1096.79 | 1079.78 | 1003.08 | 999.91 | 986.72 | 1040.68 | 1055.01 | 1137.61 | 1163.27 |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date - | PZ-3 | PZ-4 | PZ-5 | PZ-6 | PZ-7 | GP-16 | GP-17 | GP-21 | GP-22 | GP-24 | GP-25 | GP-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/12/2013 | 1037.09 | 1006.72 | 1140.01 | 1096.74 | 1079.65 | 1003.10 | 999.93 | 986.69 | 1040.95 | 1055.03 | 1137.94 | 1163.47 |
| 8/14/2013 | 1037.02 | 1006.73 | 1139.99 | 1096.66 | 1079.50 | 1003.32 | 999.95 | 986.70 | 1040.79 | 1054.86 | 1137.63 | 1163.46 |
| 9/20/2013 | 1037.04 | 1006.92 | 1140.15 | 1096.69 | 1079.51 | 1003.32 | 1000.13 | 986.84 | 1041.14 | 1054.85 | 1137.85 | 1163.49 |
| 10/11/2013 | 1036.99 | 1006.97 | 1140.09 | 1096.52 | 1079.36 | 1003.30 | 1000.09 | 986.77 | 1041.18 | 1054.75 | 1137.69 | 1163.38 |
| 11/18/2013 | 1036.88 | 1006.97 | 1140.04 | 1096.41 | 1079.18 | 1003.27 | 1000.07 | 986.65 | 1041.10 | 1054.61 | 1137.67 | 1163.24 |
| 12/12/2013 | 1036.87 | 1007.04 | 1139.97 | 1096.30 | 1079.03 | 1003.28 | 1000.05 | 986.62 | 1041.03 | 1054.54 | 1137.60 | 1163.15 |
| 1/10/2014 | 1036.83 | 1007.07 | 1139.99 | 1096.39 | 1078.93 | 1003.30 | 1000.06 | 986.68 | 1041.27 | 1054.51 | 1137.66 | 1163.24 |
| 2/19/2014 | 1036.73 | 1007.02 | 1140.07 | 1096.31 | 1078.78 | 1003.32 | 1000.13 | 986.65 | 1041.39 | 1054.44 | 1137.76 | 1163.33 |
| 3/14/2014 | 1036.65 | 1006.95 | 1140.22 | 1096.25 | 1078.86 | 1003.30 | 1000.09 | 986.61 | 1041.49 | 1054.29 | 1137.70 | 1163.35 |
| 4/11/2014 | 1036.65 | 1007.07 | 1140.19 | 1096.32 | 1078.68 | 1003.33 | 1000.16 | 986.64 | 1041.62 | 1054.33 | 1137.78 | 1163.35 |
| 5/19/2014 | 1036.55 | 1007.00 | 1140.16 | 1096.12 | 1078.46 | 1003.40 | 1000.15 | 986.66 | 1041.61 | 1054.21 | 1137.83 | 1163.42 |
| 6/20/2014 | 1036.47 | 1006.94 | 1140.16 | 1096.02 | 1078.34 | 1003.37 | 1000.15 | 986.57 | 1041.70 | 1054.10 | 1137.79 | 1163.39 |
| 7/14/2014 | 1036.42 | 1006.87 | 1140.13 | 1095.89 | 1078.18 | 1003.36 | 1000.14 | 986.51 | 1041.90 | 1053.94 | 1137.67 | 1163.38 |
| 8/18/2014 | 1036.41 | 1006.90 | 1140.12 | 1096.48 | 1078.04 | 1003.36 | 1000.13 | 986.51 | 1042.01 | 1053.98 | 1137.70 | 1163.39 |
| 9/15/2014 | 1036.33 | 1006.88 | 1140.19 | 1096.36 | 1078.00 | 1003.00 | 1000.10 | 986.62 | 1042.04 | 1053.89 | 1137.73 | 1163.36 |
| 10/13/2014 | 1036.25 | 1006.77 | 1140.15 | 1096.01 | 1077.81 | 1003.30 | 1000.11 | 986.41 | 1042.17 | 1053.73 | 1137.54 | 1163.26 |
| 11/17/2014 | 1036.15 | 1006.73 | 1140.09 | 1095.82 | 1077.63 | 1003.31 | 1000.11 | 986.27 | 1042.15 | 1053.58 | 1137.39 | 1163.03 |
| 12/15/2014 | 1036.19 | 1006.80 | 1140.24 | 1095.97 | 1077.70 | 1003.41 | 1000.15 | 986.37 | 1042.25 | 1053.64 | 1137.55 | 1163.05 |
| 1/5/2015 | 1036.05 | 1006.65 | 1140.09 | 1095.72 | 1077.51 | 1003.27 | 1000.05 | 986.21 | 1041.98 | 1053.43 | 1137.33 | 1163.00 |
| 2/16/2015 | 1036.04 | 1006.68 | 1140.12 | 1095.80 | 1077.35 | 1003.37 | 1000.17 | 980.41 | 1042.13 | 1053.47 | 1137.59 | 1163.33 |
| 3/20/2015 | 1035.94 | 1006.59 | 1140.10 | 1095.58 | 1077.22 | 1003.23 | 1000.10 | 986.29 | 1042.28 | 1053.31 | 1137.53 | 1163.14 |
| 4/13/2015 | 1035.87 | 1006.53 | 1140.07 | 1095.49 | 1077.09 | 1003.26 | 1000.11 | 986.27 | 1042.33 | 1053.24 | 1137.55 | 1163.09 |
| 5/20/2015 | 1035.85 | 1006.55 | 1140.08 | 1095.37 | 1076.93 | 1003.31 | 1000.15 | 986.22 | 1042.48 | 1053.23 | 1137.59 | 1163.04 |
| 6/18/2015 | 1035.76 | 1006.48 | 1140.10 | 1095.28 | 1076.88 | 1003.27 | 1000.15 | 986.22 | 1042.61 | 1053.11 | 1137.62 | 1163.03 |
| 7/7/2015 | 1035.70 | 1006.45 | 1140.12 | 1095.18 | 1076.72 | 1003.28 | 1000.15 | 986.19 | 1042.80 | 1053.02 | 1137.50 | 1163.00 |
| 8/17/2015 | 1035.64 | 1006.40 | 1140.18 | 1095.14 | 1076.61 | 1003.49 | 1000.19 | 986.17 | 1042.72 | 1053.00 | 1137.65 | 1162.96 |
| 9/22/2015 | 1035.58 | 1006.35 | 1140.19 | 1095.07 | 1076.46 | 1003.30 | 1000.17 | 986.17 | 1042.81 | 1052.88 | 1137.60 | 1162.94 |
| 10/13/2015 | 1035.52 | 1006.27 | 1140.12 | 1094.91 | 1076.36 | 1003.26 | 1000.13 | 986.11 | 1042.77 | 1052.75 | 1137.46 | 1162.77 |
| 11/13/2015 | 1035.52 | 1006.33 | 1140.11 | 1094.88 | 1076.16 | 1003.31 | 1000.15 | 986.10 | 1042.73 | 1052.76 | 1137.44 | 1162.90 |
| 12/23/2015 | 1035.47 | 1006.31 | 1140.17 | 1094.93 | 1076.05 | 1003.35 | 1000.24 | 986.24 | 1042.87 | 1052.78 | 1137.69 | 1162.92 |
| 1/8/2016 | 1035.32 | 1006.17 | 1140.20 | 1094.83 | 1076.08 | 1003.25 | 1000.13 | 986.13 | 1042.87 | 1052.60 | 1137.57 | 1162.97 |
| 2/12/2016 | 1035.32 | 1005.82 | 1140.12 | 1094.75 | 1075.87 | 1003.27 | 1000.13 | 986.08 | 1042.77 | 1052.54 | 1137.42 | 1162.83 |
| 3/23/2016 | 1035.21 | 1005.95 | 1140.15 | 1094.62 | 1075.74 | 1003.15 | 1000.12 | 985.96 | 1042.94 | 1052.38 | 1137.45 | 1162.87 |
| 4/11/2016 | 1035.13 | 1005.99 | 1140.19 | 1094.59 | 1075.68 | 1003.21 | 1000.13 | 986.01 | 1043.01 | 1052.32 | 1137.49 | 1162.87 |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date - | PZ-3 | PZ-4 | PZ-5 | PZ-6 | PZ-7 | GP-16 | GP-17 | GP-21 | GP-22 | GP-24 | GP-25 | GP-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/19/2016 | 1035.07 | 1006.05 | 1140.25 | 1094.54 | 1075.49 | 1003.25 | 1000.18 | 985.99 | 1043.13 | 1062.29 | 1137.57 | 1162.99 |
| 6/14/2016 | 1035.04 | 1006.03 | 1140.23 | 1094.45 | 1075.40 | 1003.24 | 1000.19 | 985.91 | 1043.18 | 1052.23 | 1137.50 | 1162.98 |
| 7/7/2016 | 1034.97 | 1005.97 | 1140.20 | 1094.38 | 1075.28 | 1003.45 | 1000.17 | 985.93 | 1043.54 | 1052.18 | 1137.49 | 1162.94 |
| 8/22/2016 | 1034.86 | 1005.85 | 1140.20 | 1094.28 | 1075.09 | 1003.25 | 1000.16 | 985.93 | 1043.30 | 1052.03 | 1137.49 | 1162.88 |
| 9/15/2016 | 1034.79 | 1005.81 | 1140.17 | 1094.13 | 1074.91 | 1003.27 | 1000.14 | 985.99 | 1043.31 | 1051.98 | 1137.47 | 1162.87 |
| 10/18/2016 | 1034.74 | 1005.76 | 1140.16 | 1094.06 | 1074.82 | 1003.26 | 1000.14 | 985.91 | 1043.31 | 1051.90 | 1137.44 | 1162.84 |
| 11/18/2016 | 1034.65 | 1005.63 | 1140.09 | 1094.00 | 1074.67 | 1003.23 | 1000.12 | 985.87 | 1043.30 | 1051.81 | 1137.35 | 1162.64 |
| 12/13/2016 | 1034.55 | 1005.58 | 1140.12 | 1094.95 | 1074.58 | 1003.27 | 1000.13 | 985.82 | 1043.29 | 1051.74 | 1137.32 | 1162.66 |
| 1/6/2017 | 1034.53 | 1005.54 | 1140.28 | 1094.07 | 1074.69 | 1003.23 | 1000.13 | 985.88 | 1043.36 | 1051.75 | 1137.39 | 1162.71 |
| 2/15/2017 | -- | 1005.61 | 1140.43 | -- | -- | 1003.19 | 1000.11 | 985.83 | 1043.38 | 1051.71 | 1137.39 | 1162.76 |
| 3/15/2017 | -- | 1005.63 | 1140.39 | -- | -- | 1003.20 | 1000.13 | 985.82 | 1043.40 | 1051.61 | 1137.39 | 1162.81 |
| 4/13/2017 | 1034.36 | 1005.64 | 1140.31 | 1094.14 | 1074.43 | 1003.22 | 1000.13 | 985.83 | 1043.43 | 1051.53 | 1137.41 | 1162.89 |
| 5/18/2017 | 1034.40 | 1005.75 | 1140.31 | 1094.11 | 1074.32 | 1003.24 | 1000.15 | 985.90 | 1043.48 | 1051.53 | 1137.50 | 1162.93 |
| 6/23/2017 | 1034.38 | 1005.72 | 1140.35 | 1094.09 | 1074.17 | 1003.23 | 1000.16 | 985.93 | 1043.49 | 1051.46 | 1137.46 | 1162.97 |
| 7/7/2017 | 1034.33 | 1005.82 | 1140.37 | 1094.00 | 1074.11 | 1003.22 | 1000.16 | 985.99 | 1043.52 | 1051.42 | 1137.42 | 1162.96 |
| 8/22/2017 | 1034.21 | 1005.71 | 1140.27 | 1093.84 | 1073.83 | 1003.24 | 1000.14 | 985.99 | 1044.06 | 1051.28 | 1137.33 | 1162.80 |
| 9/9/2017 | 1034.17 | 1005.73 | 1140.25 | 1093.79 | 1073.77 | 1003.25 | 1000.13 | 986.00 | 1043.92 | 1051.25 | 1137.34 | 1162.78 |
| 10/13/2017 | 1034.11 | 1005.72 | 1140.27 | 1093.70 | 1073.62 | 1003.25 | 1000.14 | 985.99 | 1043.56 | 1051.17 | 1137.31 | 1162.78 |
| 11/24/2017 | 1034.06 | 1005.68 | 1140.23 | 1093.64 | 1073.56 | 1003.23 | 1000.13 | 985.96 | 1043.39 | 1051.12 | 1137.35 | 1162.75 |
| 12/20/2017 | 1034.03 | 1005.74 | 1140.25 | 1093.65 | 1073.40 | 1003.22 | 1000.12 | 985.92 | 1043.48 | 1051.14 | 1137.24 | 1162.63 |
| 1/12/2018 | 1033.99 | 1005.81 | 1140.29 | 1093.63 | 1073.34 | 1003.19 | 1000.09 | 985.87 | 1043.56 | 1051.14 | 1137.19 | 1162.55 |
| 2/15/2018 | 1033.98 | 1005.79 | 1140.31 | 1093.61 | 1073.26 | 1003.17 | 1000.10 | 985.86 | 1043.53 | 1051.16 | 1137.16 | 1162.56 |
| 3/16/2018 | 1033.91 | 1005.82 | 1139.88 | 1093.65 | 1073.15 | 1003.21 | 1000.12 | 985.89 | 1043.61 | 1051.14 | 1137.18 | 1162.62 |
| 4/18/2018 | 1033.83 | 1005.78 | 1140.27 | 1093.73 | 1073.03 | 1003.26 | 1000.15 | 985.86 | 1043.66 | 1051.10 | 1137.23 | 1162.69 |
| 7/10/2018 | 1033.60 | 1005.64 | 1140.27 | 1093.43 | 1072.68 | 1003.26 | 1000.14 | 985.84 | 1043.72 | 1050.93 | 1137.26 | 1162.66 |
| 10/12/2018 | 1033.52 | 1005.48 | 1140.31 | 1093.38 | 1072.38 | 1003.28 | 1000.14 | 985.82 | 1043.83 | 1050.86 | 1137.34 | 1162.69 |
| 1/25/2019 | 1033.39 | 1005.70 | 1140.34 | 1093.29 | 1072.13 | 1003.21 | 1000.06 | 985.72 | 1043.77 | -- | 1137.04 | 1162.71 |
| 4/22/2019 | 1033.33 | 1006.23 | 1140.30 | 1093.40 | 1072.18 | 1003.21 | 1000.09 | 985.72 | 1044.00 | -- | 1137.19 | 1162.59 |
| 7/5/2019 | 1033.27 | 1010.60 | 1140.24 | 1093.23 | 1071.55 | 1003.03 | 999.98 | 986.12 | 1044.13 | -- | 1137.13 | 1162.55 |
| 10/10/2019 | 1033.13 | 1013.48 | 1140.22 | 1092.97 | 1071.17 | 1003.41 | 1000.01 | 986.63 | 1044.79 | -- | 1137.06 | 1162.57 |
| 1/10/2020 | 1033.07 | 1014.10 | 1140.21 | 1092.99 | 1071.02 | 1003.00 | 999.77 | 986.43 | 1044.14 | -- | 1136.87 | 1162.21 |
| 4/21/2020 | 1033.08 | 1014.80 | 1140.38 | 1093.01 | 1070.83 | 1002.97 | 999.79 | 986.24 | 1044.43 | -- | 1136.94 | 1162.31 |
| 7/16/2020 | 1033.02 | 1017.13 | 1140.25 | 1092.79 | 1070.30 | 1003.01 | 999.81 | 986.09 | 1044.58 | -- | 1136.99 | 1162.32 |
| 10/19/2020 | 1032.98 | 1018.16 | 1140.22 | 1092.66 | 1069.94 | 1003.01 | 999.86 | 985.96 | 1044.54 | -- | 1136.86 | 1162.17 |

# APPENDIX B
## GROUNDWATER ELEVATIONS
## Chiquita Canyon Landfill

All elevations are in feet, relative to mean sea level.

| Sample Date - | PZ-3 | PZ-4 | PZ-5 | PZ-6 | PZ-7 | GP-16 | GP-17 | GP-21 | GP-22 | GP-24 | GP-25 | GP-26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/6/2021 | 1032.85 | 1018.28 | 1140.25 | 1092.31 | 1069.17 | 1003.36 | 1000.03 | 985.92 | 1045.30 | -- | 1136.75 | 1162.16 |
| 10/18/2021 | 1032.83 | 1017.84 | 1140.25 | 1092.21 | 1068.83 | 1003.71 | 1000.01 | 985.93 | 1045.30 | -- | 1136.71 | 1162.18 |
| 1/20/2022 | 1032.81 | 1017.25 | 1140.37 | 1092.38 | 1068.83 | 1003.38 | 999.96 | 985.93 | 1045.23 | -- | 1136.56 | 1162.03 |
| 4/20/2022 | 1032.75 | 1021.42 | 1140.29 | 1092.24 | 1068.41 | 1003.38 | 999.99 | 985.91 | 1045.37 | -- | 1136.65 | 1162.10 |
| 7/6/2022 | 1032.72 | 1025.31 | 1140.12 | 1091.82 | 1068.11 | 1003.37 | 999.91 | 985.86 | 1045.47 | -- | 1136.57 | 1162.10 |
| 10/20/2022 | 1032.60 | 1024.59 | 1140.14 | 1091.68 | 1067.66 | 1003.24 | 999.80 | 985.67 | 1043.46 | -- | 1136.44 | 1161.84 |
| 1/12/2023 | -- | 1024.83 | 1140.45 | -- | -- | 1003.09 | 999.81 | 985.86 | 1044.83 | -- | 1136.52 | 1162.03 |
| 4/18/2023 | 1033.09 | 1031.95 | 1140.56 | 1092.35 | -- | 1002.97 | 999.82 | 985.98 | 1045.59 | 1055.17 | 1136.51 | 1162.14 |
| 7/10/2023 | 1033.22 | 1038.48 | 1137.94 | 1092.10 | 1067.35 | 1003.30 | 999.94 | 987.05 | 1045.65 | 1063.25 | 1136.27 | 1162.06 |
| 10/20/2023 | 1033.28 | 1037.52 | 1137.98 | 1092.16 | -- | 1003.31 | 1000.01 | 987.11 | 1045.70 | 1063.32 | 1136.25 | 1162.03 |
| 1/11/2024 | 1033.42 | 1034.97 | -- | 1092.36 | 1067.14 | 1003.24 | 999.99 | 986.95 | 1045.50 | -- | -- | 1161.88 |
| 4/19/2024 | -- | 1033.93 | 1139.78 | 1092.91 | -- | 1002.14 | 1000.08 | 986.83 | 1045.63 | 1085.49 | 1136.09 | 1161.93 |
| 7/3/2024 | 1034.09 | 1034.07 | 1139.40 | 1093.20 | -- | 1003.15 | 1000.17 | 987.22 | 1044.90 | 1087.81 | 1136.15 | 1161.84 |
| 10/21/2024 | 1034.43 | 1033.95 | 1139.55 | 1093.61 | 1067.89 | 1003.09 | 1000.17 | 986.97 | 1045.27 | 1082.64 | 1135.83 | 1161.62 |
| 1/9/2025 | 1034.72 | 1033.33 | 1139.81 | 1094.52 | 1068.23 | 1003.46 | 1000.34 | 986.91 | 1045.75 | 1080.32 | 1135.77 | 1161.58 |
| 4/21/2025 | 1035.14 | 1032.82 | 1139.85 | 1095.61 | 1068.68 | 1003.54 | 1000.37 | 986.80 | 1045.97 | 1086.11 | 1135.93 | 1161.82 |

**Most Recent Elevation Calculation:**

| 4/21/2025 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOCE | 1106.23 | 1107.29 | 1214.58 | 1182.6 | 1195.64 | 1257.11 | 1216.32 | 1220.39 | 1326.41 | 1120.83 | 1213.36 | 1378.51 |
| DTW | 71.09 | 74.47 | 74.73 | 86.99 | 126.96 | 253.57 | 215.95 | 233.59 | 280.44 | 34.72 | 77.43 | 216.69 |
| GWE | 1035.14 | 1032.82 | 1139.85 | 1095.61 | 1068.68 | 1003.54 | 1000.37 | 986.80 | 1045.97 | 1086.11 | 1135.93 | 1161.82 |

Notes:

-- = Not Measured
TOCE = Top of Casing Elevation
DTW = Depth to Water
GWE = Groundwater Elevation

# APPENDIX C

# PREDICTION LIMIT PLOTS

# Prediction Limit

Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019 Printed 6/29/2025, 2:29 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg N | %NDs | Transform | Alpha | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 (mg/L) | DW-1 | 223.4 | 125 | 4/28/2025 | 220 | No | 24 | 0 | No | 0.005 | Param Intra |
| Alkalinity, Total as CaCO3 (mg/L) | DW-12 | 199.6 | 134.1 | 4/23/2025 | 160 | No | 16 | 0 | No | 0.005 | Param Intra |
| Alkalinity, Total as CaCO3 (mg/L) | DW-14 | 294.5 | 97.31 | 4/24/2025 | 190 | No | 17 | 0 | No | 0.005 | Param Intra |
| Alkalinity, Total as CaCO3 (mg/L) | DW-15 | 232.1 | 172.3 | 4/24/2025 | 210 | No | 18 | 0 | No | 0.005 | Param Intra |
| Alkalinity, Total as CaCO3 (mg/L) | DW-16 | 363.1 | 133.1 | 4/28/2025 | 250 | No | 27 | 0 | No | 0.005 | Param Intra |
| Alkalinity, Total as CaCO3 (mg/L) | DW-17 | 184 | 110.7 | 4/24/2025 | 150 | No | 19 | 0 | No | 0.005 | Param Intra |
| Alkalinity, Total as CaCO3 (mg/L) | DW-18 | 384.7 | 192.8 | 4/23/2025 | 230 | No | 16 | 0 | No | 0.005 | Param Intra |
| Alkalinity, Total as CaCO3 (mg/L) | DW-21 | 223.6 | 78.25 | 4/23/2025 | 140 | No | 17 | 0 | No | 0.005 | Param Intra |
| Alkalinity, Total as CaCO3 (mg/L) | DW-28 | 408.1 | 288.2 | 4/22/2025 | 340 | No | 16 | 0 | No | 0.005 | Param Intra |
| Alkalinity, Total as CaCO3 (mg/L) | DW-29 | 323.6 | 189.7 | 4/22/2025 | 300 | No | 18 | 0 | No | 0.005 | Param Intra |
| **Alkalinity, Total as CaCO3 (mg/L)** | **DW-3** | **190.5** | **129.5** | **4/28/2025** | **200** | **Yes** | **24** | **0** | **No** | **0.005** | **Param Intra** |
| Alkalinity, Total as CaCO3 (mg/L) | DW-7 | 142.8 | 87 | 4/23/2025 | 110 | No | 16 | 0 | No | 0.005 | Param Intra |
| Alkalinity, Total as CaCO3 (mg/L) | DW-8 | 467.5 | 281.8 | 4/22/2025 | 380 | No | 15 | 0 | No | 0.005 | Param Intra |
| Alkalinity, Total as CaCO3 (mg/L) | PZ-4 | 527.1 | 54 | 4/23/2025 | 380 | No | 18 | 0 | No | 0.005 | Param Intra |
| Ammonia-N (mg/L) | DW-1 | 0.16 | n/a | 4/28/2025 | 0.05ND | No | 24 | 62.5 | n/a | 0.04 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-12 | 0.073 | n/a | 4/23/2025 | 0.05ND | No | 16 | 93.75 | n/a | 0.05882 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-14 | 0.1 | n/a | 4/24/2025 | 0.05ND | No | 16 | 87.5 | n/a | 0.05882 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-15 | 0.1767 | n/a | 4/24/2025 | 0.15 | No | 18 | 0 | No | 0.01 | Param Intra |
| Ammonia-N (mg/L) | DW-16 | 0.094 | n/a | 4/28/2025 | 0.05ND | No | 26 | 92.31 | n/a | 0.03704 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-17 | 0.041 | n/a | 4/24/2025 | 0.05ND | No | 18 | 100 | n/a | 0.05263 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-18 | 0.28 | n/a | 4/23/2025 | 0.05ND | No | 16 | 93.75 | n/a | 0.05882 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-21 | 0.041 | n/a | 4/23/2025 | 0.05ND | No | 16 | 100 | n/a | 0.05882 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-28 | 0.4174 | n/a | 4/22/2025 | 0.39 | No | 16 | 0 | No | 0.01 | Param Intra |
| Ammonia-N (mg/L) | DW-29 | 0.073 | n/a | 4/22/2025 | 0.05ND | No | 18 | 94.44 | n/a | 0.05263 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-3 | 0.3 | n/a | 4/28/2025 | 0.05ND | No | 24 | 83.33 | n/a | 0.04 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-7 | 0.19 | n/a | 4/23/2025 | 0.05ND | No | 16 | 81.25 | n/a | 0.05882 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-8 | 1.271 | n/a | 4/22/2025 | 1.1 | No | 15 | 0 | No | 0.01 | Param Intra |
| Ammonia-N (mg/L) | PZ-4 | 0.041 | n/a | 4/23/2025 | 0.05ND | No | 16 | 100 | n/a | 0.05882 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-30 | 0.041 | n/a | 4/24/2025 | 0.05ND | No | 4 | 100 | n/a | 0.2 | NP Intra (NDs) |
| Ammonia-N (mg/L) | DW-31 | 0.047 | n/a | 4/28/2025 | 0.057J | No | 4 | 75 | n/a | 0.2 | NP Intra (NDs) |
| Chemical Oxygen Demand (mg/L) | DW-1 | 46 | n/a | 4/28/2025 | 2J | No | 24 | 70.83 | n/a | 0.04 | NP Intra (NDs) |
| Chemical Oxygen Demand (mg/L) | DW-12 | 28 | n/a | 4/23/2025 | 2ND | No | 15 | 80 | n/a | 0.0625 | NP Intra (NDs) |
| Chemical Oxygen Demand (mg/L) | DW-14 | 21 | n/a | 4/24/2025 | 2ND | No | 16 | 87.5 | n/a | 0.05882 | NP Intra (NDs) |
| Chemical Oxygen Demand (mg/L) | DW-15 | 6 | n/a | 4/24/2025 | 3J | No | 17 | 88.24 | n/a | 0.05556 | NP Intra (NDs) |
| **Chemical Oxygen Demand (mg/L)** | **DW-16** | **3** | **n/a** | **4/28/2025** | **4** | **Yes** | **26** | **84.62** | **n/a** | **0.03704** | **NP Intra (NDs)** |
| Chemical Oxygen Demand (mg/L) | DW-17 | 6 | n/a | 4/24/2025 | 2ND | No | 18 | 72.22 | n/a | 0.05263 | NP Intra (NDs) |
| Chemical Oxygen Demand (mg/L) | DW-18 | 33.82 | n/a | 4/23/2025 | 2ND | No | 16 | 6.25 | No | 0.01 | Param Intra |
| Chemical Oxygen Demand (mg/L) | DW-21 | 25 | n/a | 4/23/2025 | 2ND | No | 16 | 75 | n/a | 0.05882 | NP Intra (NDs) |
| Chemical Oxygen Demand (mg/L) | DW-28 | 32 | n/a | 4/22/2025 | 2J | No | 15 | 73.33 | n/a | 0.0625 | NP Intra (NDs) |
| Chemical Oxygen Demand (mg/L) | DW-29 | 34.88 | n/a | 4/22/2025 | 2ND | No | 17 | 17.65 | No | 0.01 | Param Intra |
| Chemical Oxygen Demand (mg/L) | DW-3 | 49 | n/a | 4/28/2025 | 2ND | No | 25 | 80 | n/a | 0.03846 | NP Intra (NDs) |
| Chemical Oxygen Demand (mg/L) | DW-7 | 9 | n/a | 4/23/2025 | 2ND | No | 16 | 68.75 | n/a | 0.05882 | NP Intra (NDs) |
| Chemical Oxygen Demand (mg/L) | DW-8 | 12 | n/a | 4/22/2025 | 2ND | No | 14 | 64.29 | n/a | 0.06667 | NP Intra (NDs) |
| Chemical Oxygen Demand (mg/L) | PZ-4 | 36.07 | n/a | 4/23/2025 | 11 | No | 16 | 50 | No | 0.01 | Param Intra |
| Chemical Oxygen Demand (mg/L) | DW-30 | 19.81 | n/a | 4/24/2025 | 4 | No | 4 | 50 | No | 0.01 | Param Intra |
| Chemical Oxygen Demand (mg/L) | DW-31 | 120.4 | n/a | 4/28/2025 | 29 | No | 4 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-1 | 131.5 | n/a | 4/28/2025 | 120 | No | 24 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-12 | 213.5 | n/a | 4/23/2025 | 190 | No | 15 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-14 | 104.1 | n/a | 4/24/2025 | 96 | No | 15 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-15 | 82.28 | n/a | 4/24/2025 | 75 | No | 17 | 0 | No | 0.01 | Param Intra |

# Prediction Limit

Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019 Printed 6/29/2025, 2:29 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg N | %NDs | Transform | Alpha | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride (mg/l) | DW-16 | 118.9 | n/a | 4/28/2025 | 110 | No | 26 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-17 | 165.8 | n/a | 4/24/2025 | 150 | No | 17 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-18 | 411.2 | n/a | 4/23/2025 | 110 | No | 16 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-21 | 67.72 | n/a | 4/23/2025 | 53 | No | 15 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-28 | 43.53 | n/a | 4/22/2025 | 34 | No | 15 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-29 | 112.3 | n/a | 4/22/2025 | 92 | No | 17 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-3 | 91.81 | n/a | 4/28/2025 | 58 | No | 24 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-7 | 118.5 | n/a | 4/23/2025 | 81 | No | 15 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-8 | 78.18 | n/a | 4/22/2025 | 65 | No | 14 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | PZ-4 | 93.67 | n/a | 4/23/2025 | 57 | No | 17 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-30 | 74.59 | n/a | 4/24/2025 | 59 | No | 4 | 0 | No | 0.01 | Param Intra |
| Chloride (mg/l) | DW-31 | 167.9 | n/a | 4/28/2025 | 100 | No | 4 | 0 | No | 0.01 | Param Intra |
| Nitrate as N (mg/L) | DW-1 | 0.64 | n/a | 4/28/2025 | 0.05ND | No | 24 | 87.5 | n/a | 0.04 | NP Intra (NDs) |
| Nitrate as N (mg/L) | DW-12 | 4.148 | n/a | 4/23/2025 | 3.5 | No | 16 | 0 | No | 0.01 | Param Intra |
| Nitrate as N (mg/L) | DW-14 | 0.3595 | n/a | 4/24/2025 | 0.32 | No | 15 | 0 | No | 0.01 | Param Intra |
| Nitrate as N (mg/L) | DW-15 | 0.18 | n/a | 4/24/2025 | 0.05ND | No | 17 | 88.24 | n/a | 0.05556 | NP Intra (NDs) |
| Nitrate as N (mg/L) | DW-16 | 2.658 | n/a | 4/28/2025 | 2.2 | No | 26 | 0 | No | 0.01 | Param Intra |
| Nitrate as N (mg/L) | DW-17 | 1.506 | n/a | 4/24/2025 | 1 | No | 19 | 0 | No | 0.01 | Param Intra |
| Nitrate as N (mg/L) | DW-18 | 3.937 | n/a | 4/23/2025 | 2.5 | No | 15 | 0 | No | 0.01 | Param Intra |
| Nitrate as N (mg/L) | DW-21 | 0.1523 | n/a | 4/23/2025 | 0.1 | No | 15 | 0 | No | 0.01 | Param Intra |
| Nitrate as N (mg/L) | DW-28 | 0.06 | n/a | 4/22/2025 | 0.05ND | No | 15 | 93.33 | n/a | 0.0625 | NP Intra (NDs) |
| Nitrate as N (mg/L) | DW-29 | 4.116 | n/a | 4/22/2025 | 2.1 | No | 17 | 0 | No | 0.01 | Param Intra |
| Nitrate as N (mg/L) | DW-3 | 2.062 | n/a | 4/28/2025 | 1.9 | No | 25 | 4 | No | 0.01 | Param Intra |
| Nitrate as N (mg/L) | DW-7 | 0.06 | n/a | 4/23/2025 | 0.05ND | No | 15 | 100 | n/a | 0.0625 | NP Intra (NDs) |
| Nitrate as N (mg/L) | DW-8 | 0.078 | n/a | 4/22/2025 | 0.05ND | No | 14 | 78.57 | n/a | 0.06667 | NP Intra (NDs) |
| Nitrate as N (mg/L) | PZ-4 | 1.764 | n/a | 4/23/2025 | 1.1 | No | 15 | 0 | No | 0.01 | Param Intra |
| Nitrate as N (mg/L) | DW-30 | 2.177 | n/a | 4/24/2025 | 0.23 | No | 4 | 0 | No | 0.01 | Param Intra |
| Nitrate as N (mg/L) | DW-31 | 0.9592 | n/a | 4/28/2025 | 0.76 | No | 4 | 25 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-1 | 5.385 | n/a | 4/28/2025 | 2.5 | No | 24 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-12 | 3.396 | n/a | 4/23/2025 | 1.6 | No | 16 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-14 | 1.485 | n/a | 4/24/2025 | 0.57 | No | 16 | 6.25 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-15 | 5.162 | n/a | 4/24/2025 | 2.7 | No | 18 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-16 | 1.906 | n/a | 4/28/2025 | 0.83 | No | 26 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-17 | 1.502 | n/a | 4/24/2025 | 0.7 | No | 18 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-18 | 3.629 | n/a | 4/23/2025 | 1.4 | No | 16 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-21 | 1.439 | n/a | 4/23/2025 | 0.45J | No | 16 | 25 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-28 | 2.628 | n/a | 4/22/2025 | 0.9 | No | 16 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-29 | 2.873 | n/a | 4/22/2025 | 1.5 | No | 18 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-3 | 2.633 | n/a | 4/28/2025 | 1.6 | No | 24 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-7 | 2.702 | n/a | 4/23/2025 | 1.1 | No | 16 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-8 | 11.94 | n/a | 4/22/2025 | 6.3 | No | 15 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | PZ-4 | 2.989 | n/a | 4/23/2025 | 2.1 | No | 17 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-30 | 3.393 | n/a | 4/24/2025 | 1.6 | No | 4 | 0 | No | 0.01 | Param Intra |
| Potassium (mg/L) | DW-31 | 3.51 | n/a | 4/28/2025 | 1.5 | No | 4 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-1 | 270.6 | n/a | 4/28/2025 | 210 | No | 24 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-12 | 340.3 | n/a | 4/23/2025 | 280 | No | 15 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-14 | 244.4 | n/a | 4/24/2025 | 140 | No | 15 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-15 | 504 | n/a | 4/24/2025 | 400 | No | 17 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-16 | 290.9 | n/a | 4/28/2025 | 230 | No | 26 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-17 | 269.7 | n/a | 4/24/2025 | 220 | No | 19 | 0 | No | 0.01 | Param Intra |

# Prediction Limit

Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019 Printed 6/29/2025, 2:29 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg N | %NDs | Transform | Alpha | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium (mg/L) | DW-18 | 368.1 | n/a | 4/23/2025 | 270 | No | 15 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-21 | 165.5 | n/a | 4/23/2025 | 140 | No | 15 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-28 | 410.2 | n/a | 4/22/2025 | 340 | No | 15 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-29 | 305 | n/a | 4/22/2025 | 240 | No | 17 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-3 | 171.6 | n/a | 4/28/2025 | 110 | No | 24 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-7 | 388 | n/a | 4/23/2025 | 320 | No | 15 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-8 | 801.4 | n/a | 4/22/2025 | 590 | No | 14 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | PZ-4 | 232.7 | n/a | 4/23/2025 | 180 | No | 16 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-30 | 241.4 | n/a | 4/24/2025 | 190 | No | 4 | 0 | No | 0.01 | Param Intra |
| Sodium (mg/L) | DW-31 | 191.5 | n/a | 4/28/2025 | 120 | No | 4 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-1 | 432.7 | n/a | 4/28/2025 | 390 | No | 24 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-12 | 340.1 | n/a | 4/23/2025 | 300 | No | 15 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-14 | 36.09 | n/a | 4/24/2025 | 30 | No | 15 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-15 | 1732 | n/a | 4/24/2025 | 1500 | No | 17 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-16 | 219.2 | n/a | 4/28/2025 | 190 | No | 26 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-17 | 207.6 | n/a | 4/24/2025 | 180 | No | 17 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-18 | 1340 | n/a | 4/23/2025 | 330 | No | 16 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-21 | 132.7 | n/a | 4/23/2025 | 110 | No | 15 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-28 | 554.8 | n/a | 4/22/2025 | 450 | No | 15 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-29 | 468.4 | n/a | 4/22/2025 | 360 | No | 17 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-3 | 222.1 | n/a | 4/28/2025 | 110 | No | 24 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-7 | 997 | n/a | 4/23/2025 | 630 | No | 15 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-8 | 3243 | n/a | 4/22/2025 | 2800 | No | 14 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | PZ-4 | 187 | n/a | 4/23/2025 | 130 | No | 16 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-30 | 421 | n/a | 4/24/2025 | 310 | No | 4 | 0 | No | 0.01 | Param Intra |
| Sulfate (mg/L) | DW-31 | 623.6 | n/a | 4/28/2025 | 430 | No | 4 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-1 | 1042 | n/a | 4/28/2025 | 860 | No | 24 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-12 | 1043 | n/a | 4/23/2025 | 960 | No | 15 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-14 | 468.4 | n/a | 4/24/2025 | 400 | No | 15 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-15 | 2540 | n/a | 4/24/2025 | 2400 | No | 17 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-16 | 864.9 | n/a | 4/28/2025 | 720 | No | 26 | 0 | No | 0.01 | Param Intra |
| **Total Dissolved Solids (mg/L)** | **DW-17** | **718.6** | **n/a** | **4/24/2025** | **720** | **Yes** | **17** | **0** | **No** | **0.01** | **Param Intra** |
| Total Dissolved Solids (mg/L) | DW-18 | 1129 | n/a | 4/23/2025 | 970 | No | 16 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-21 | 502.7 | n/a | 4/23/2025 | 470 | No | 15 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-28 | 1202 | n/a | 4/22/2025 | 1100 | No | 15 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-29 | 1071 | n/a | 4/22/2025 | 1045 | No | 17 | 0 | No | 0.01 | Param Intra Deseas |
| Total Dissolved Solids (mg/L) | DW-3 | 684.1 | n/a | 4/28/2025 | 450 | No | 24 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-7 | 1332 | n/a | 4/23/2025 | 1200 | No | 15 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-8 | 5040 | n/a | 4/22/2025 | 4700 | No | 14 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | PZ-4 | 1020 | n/a | 4/23/2025 | 730 | No | 15 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-30 | 1017 | n/a | 4/24/2025 | 810 | No | 4 | 0 | No | 0.01 | Param Intra |
| Total Dissolved Solids (mg/L) | DW-31 | 1779 | n/a | 4/28/2025 | 1300 | No | 4 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-1 | 4.102 | n/a | 4/28/2025 | 0.68ND | No | 24 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-12 | 10.12 | n/a | 4/23/2025 | 1.2 | No | 16 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-14 | 9.056 | n/a | 4/24/2025 | 0.68ND | No | 16 | 6.25 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-15 | 6.139 | n/a | 4/24/2025 | 3.9 | No | 18 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-16 | 4.783 | n/a | 4/28/2025 | 0.68ND | No | 26 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-17 | 5.405 | n/a | 4/24/2025 | 1.5 | No | 19 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-18 | 12.09 | n/a | 4/23/2025 | 3.5 | No | 16 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-21 | 4.461 | n/a | 4/23/2025 | 0.68ND | No | 17 | 0 | No | 0.01 | Param Intra |

# Prediction Limit

Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019 Printed 6/29/2025, 2:29 PM

| Constituent | Well | Upper Lim. | Lower Lim. | Date | Observ. | Sig. | Bg N | %NDs | Transform | Alpha | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (mg/L) | DW-28 | 8.646 | n/a | 4/22/2025 | 2.1 | No | 16 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-29 | 13.52 | n/a | 4/22/2025 | 6.5 | No | 18 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-3 | 3.519 | n/a | 4/28/2025 | 0.68ND | No | 25 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-7 | 6.519 | n/a | 4/23/2025 | 0.68ND | No | 17 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | DW-8 | 8.272 | n/a | 4/22/2025 | 1.2 | No | 16 | 0 | No | 0.01 | Param Intra |
| Total Organic Carbon (mg/L) | PZ-4 | 15.11 | n/a | 4/23/2025 | 4.9 | No | 17 | 5.882 | No | 0.01 | Param Intra |

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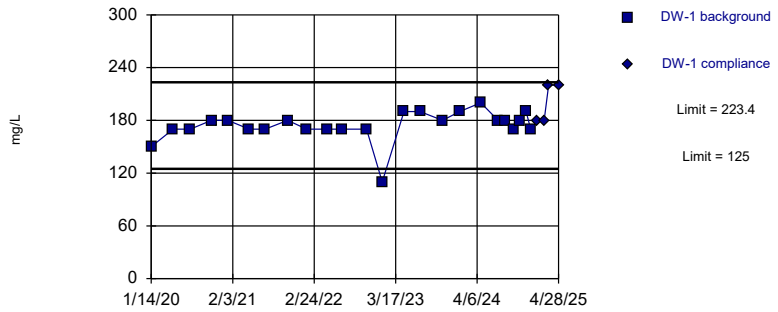
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=174.2, Std. Dev.=17.17, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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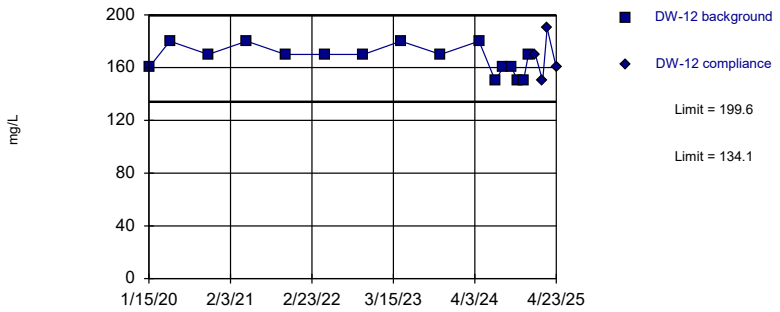
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=166.9, Std. Dev.=10.78, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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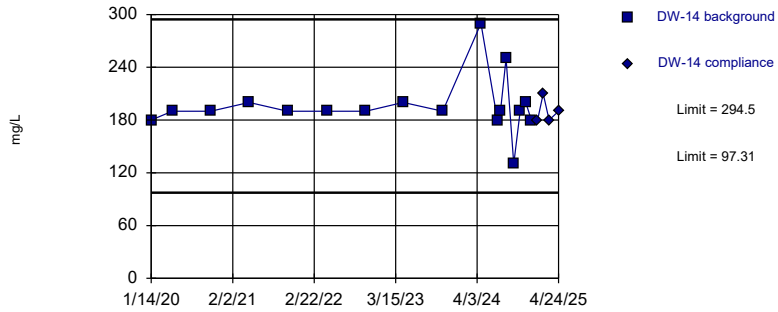
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=195.9, Std. Dev.=32.8, n=17. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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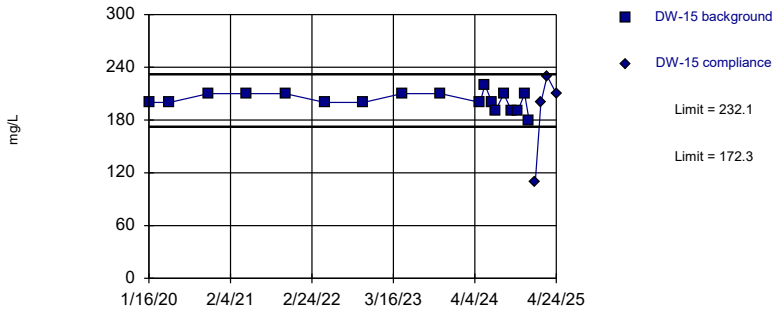
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=202.2, Std. Dev.=10.03, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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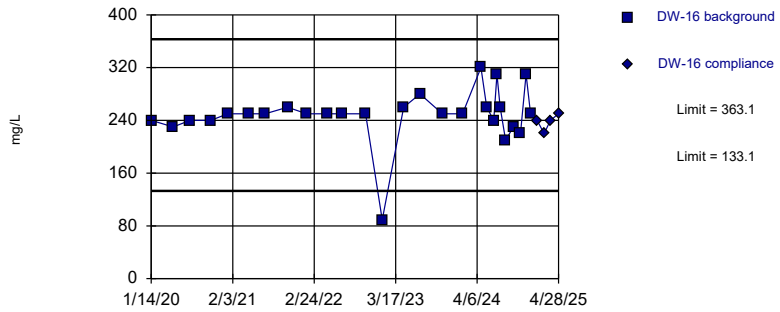
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=248.1, Std. Dev.=40.63, n=27. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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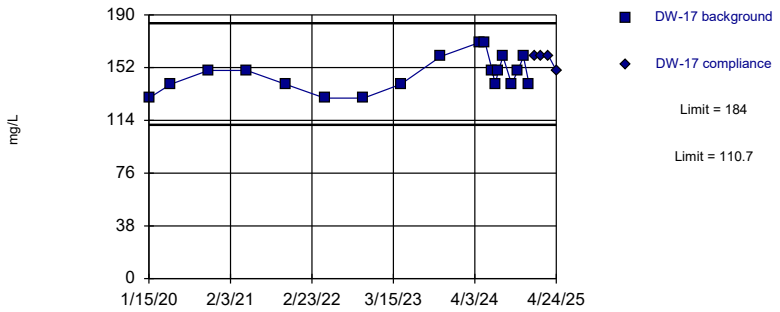
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=147.4, Std. Dev.=12.4, n=19. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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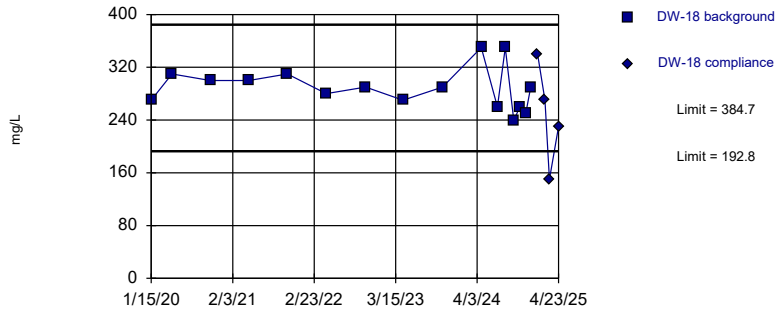
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=288.8, Std. Dev.=31.6, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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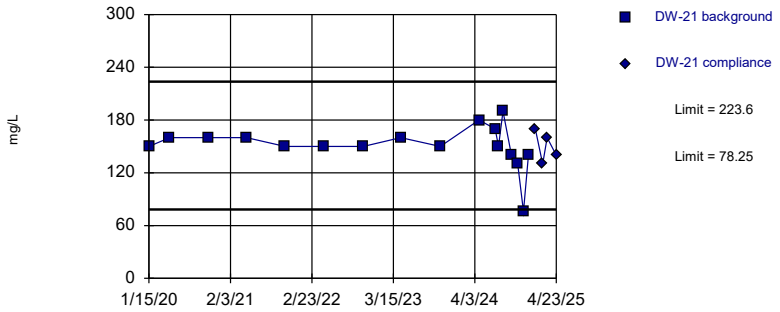
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=150.9, Std. Dev.=24.19, n=17. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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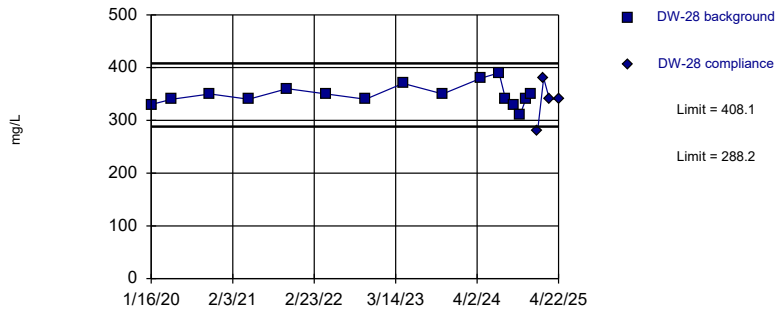
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=348.1, Std. Dev.=19.74, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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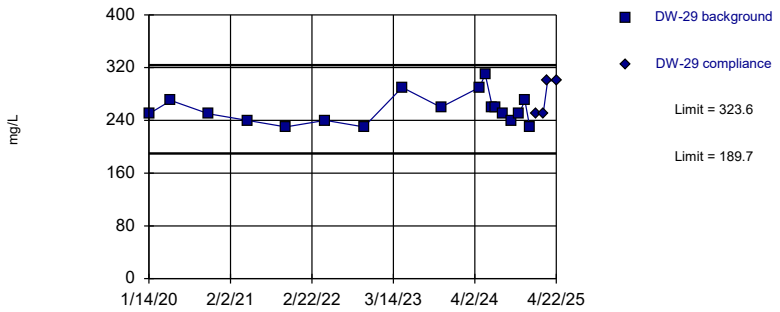
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=256.7, Std. Dev.=22.49, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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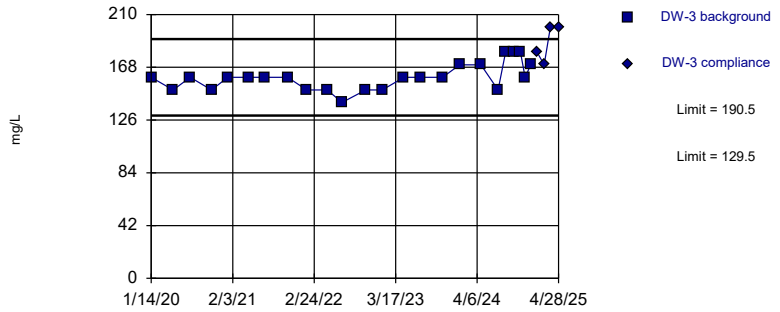
Exceeds Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=160, Std. Dev.=10.63, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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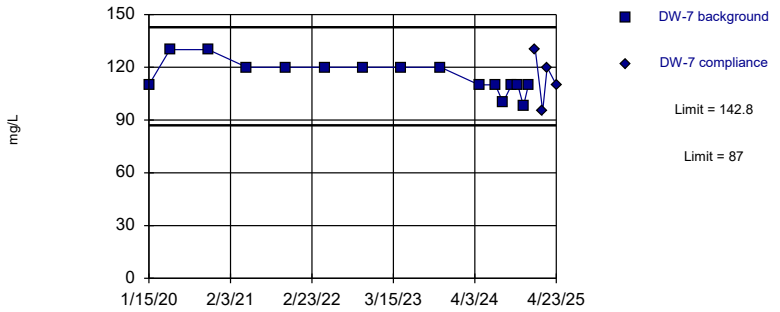
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=114.9, Std. Dev.=9.179, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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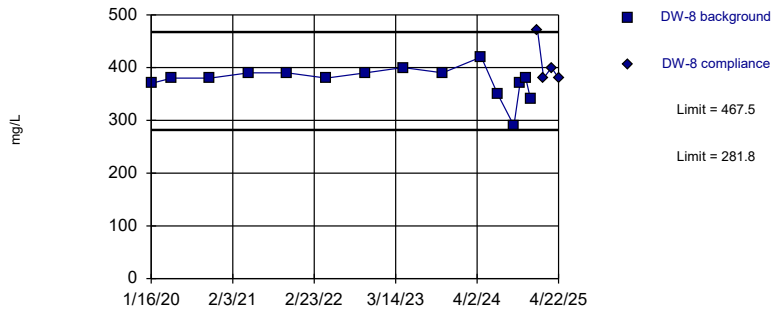
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=374.7, Std. Dev.=30.21, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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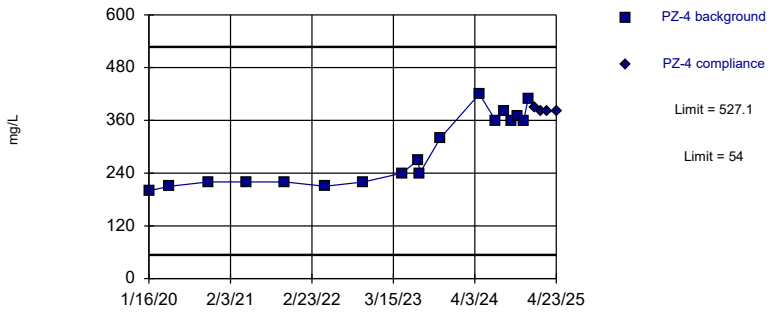
Within Limits

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=290.6, Std. Dev.=79.44, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Alkalinity, Total as CaCO3 Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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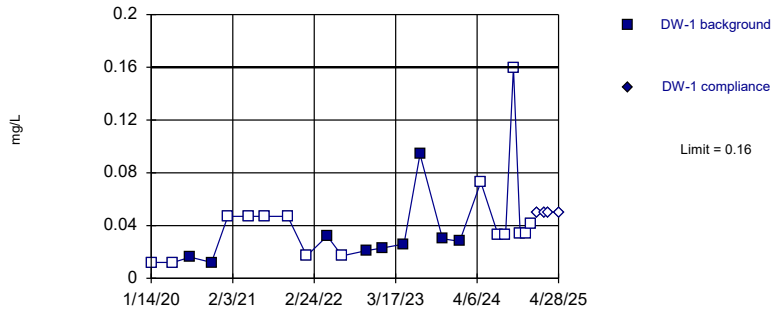
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 62.5% NDs. Report alpha = 0.04. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

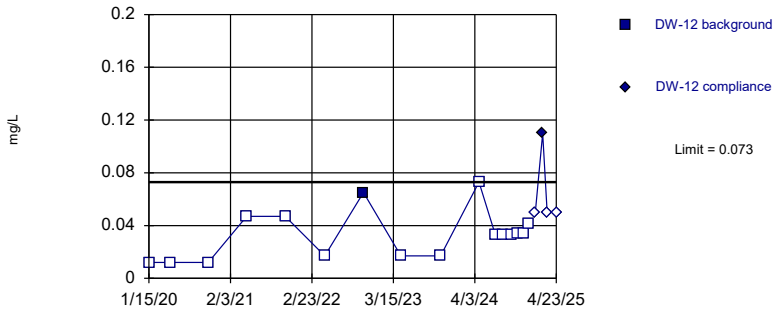
Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Report alpha = 0.05882. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

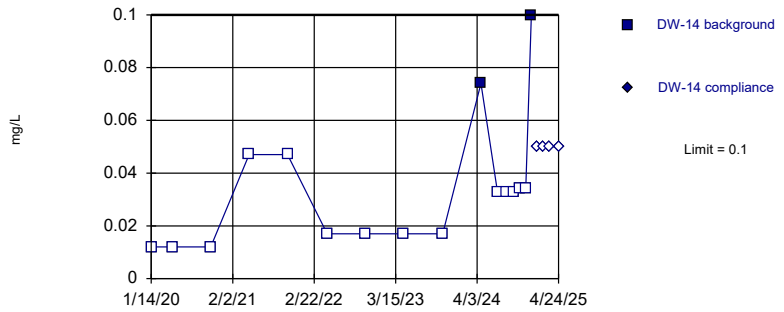
Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Report alpha = 0.05882. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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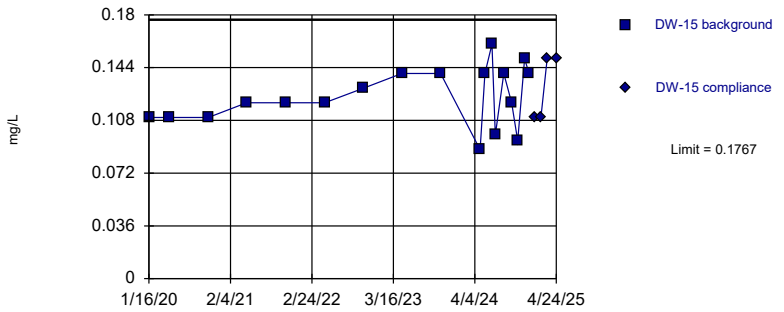
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=0.1239, Std. Dev.=0.02002, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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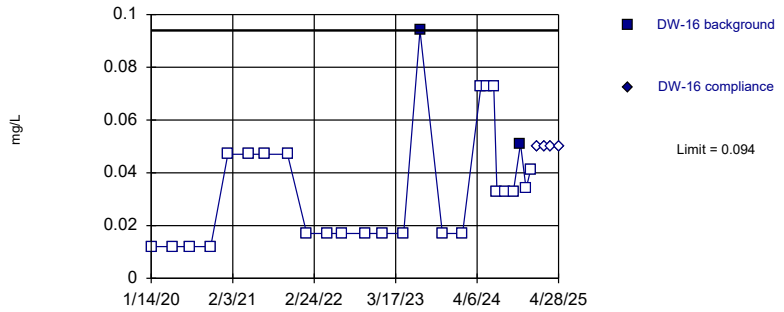
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Report alpha = 0.03704. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

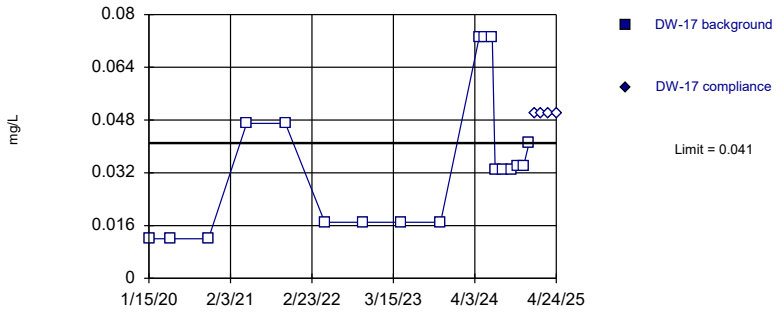
Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Report alpha = 0.05263. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

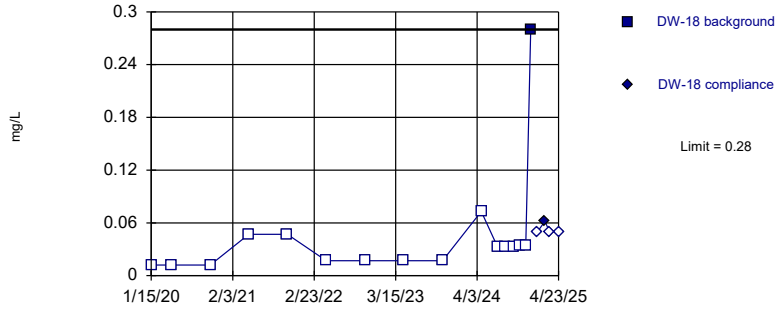
Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Report alpha = 0.05882. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

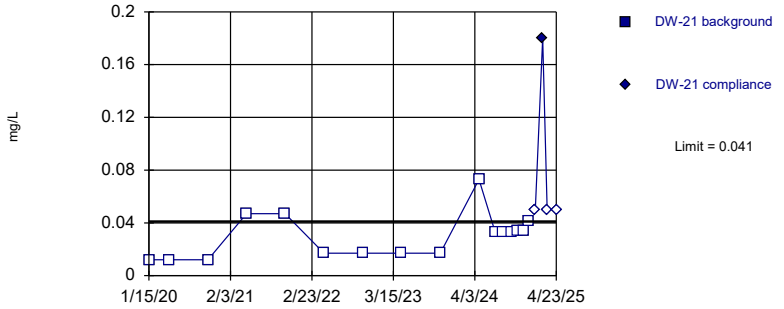
Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Report alpha = 0.05882. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

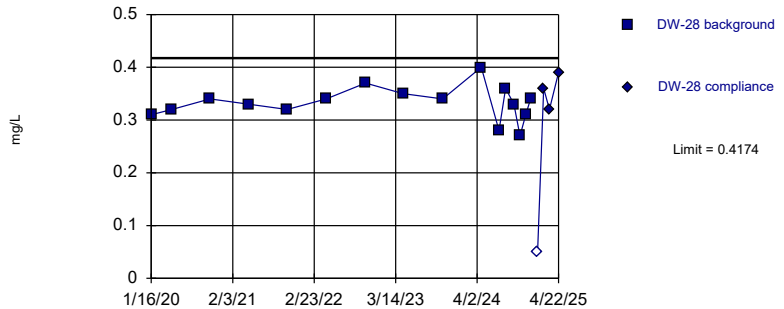
Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=0.3319, Std. Dev.=0.03188, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

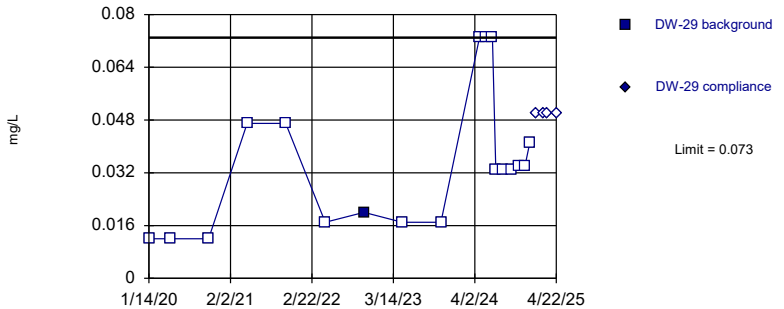
Constituent: Ammonia-N Analysis Run 6/29/2025 2:25 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 94.44% NDs. Report alpha = 0.05263. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

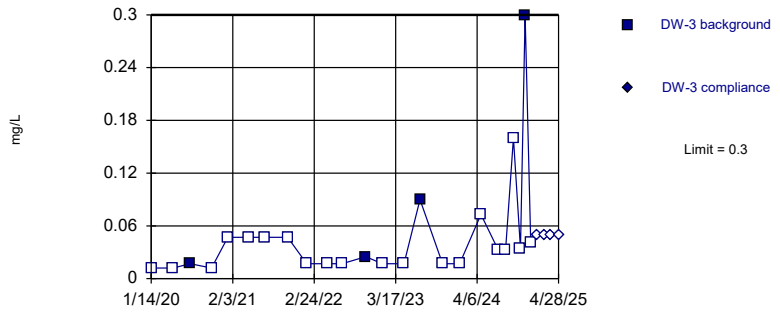
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 83.33% NDs. Report alpha = 0.04. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

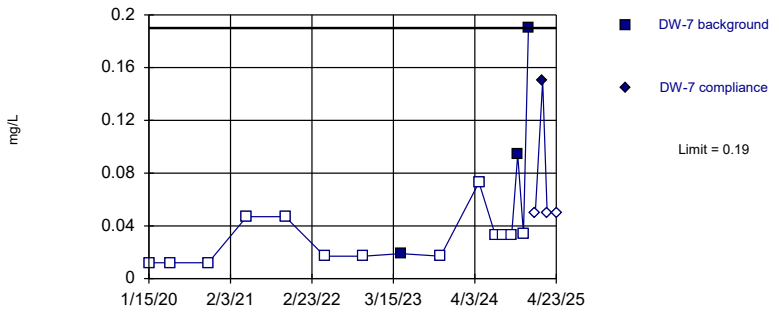
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Report alpha = 0.05882. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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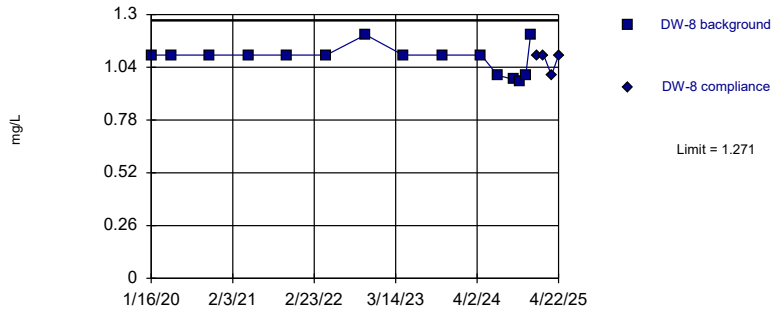
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.083, Std. Dev.=0.06925, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

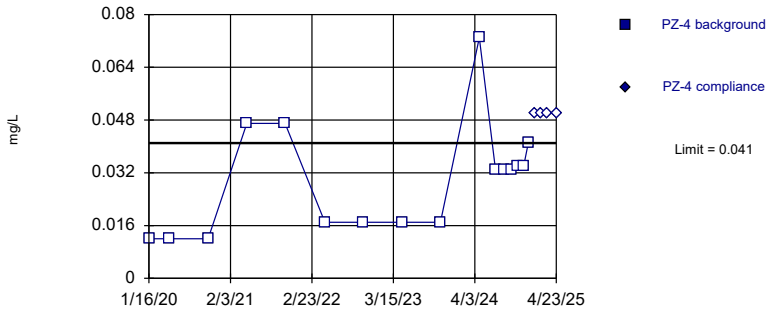
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Report alpha = 0.05882. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

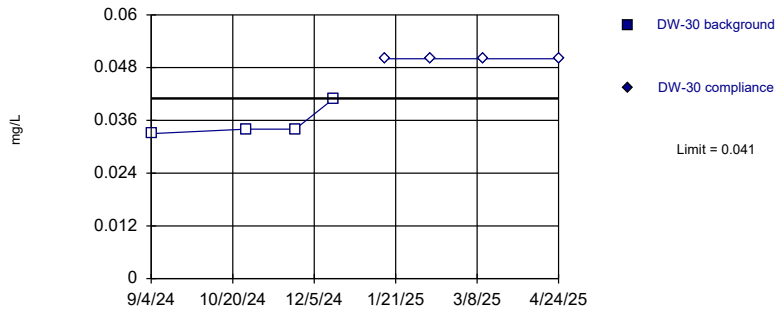
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 4) were censored; limit is most recent reporting limit. Report alpha = 0.2. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

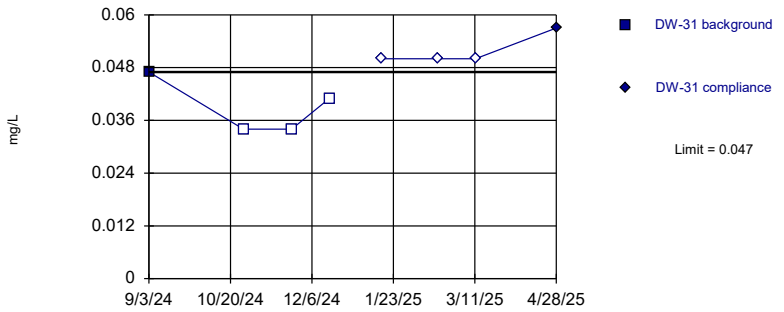
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 4 background values. 75% NDs. Report alpha = 0.2. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

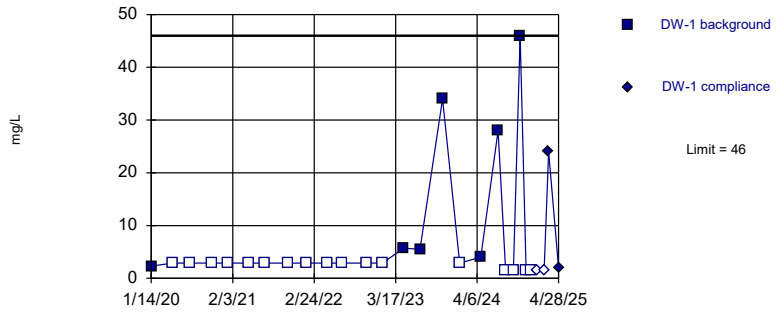
Constituent: Ammonia-N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 70.83% NDs. Report alpha = 0.04. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

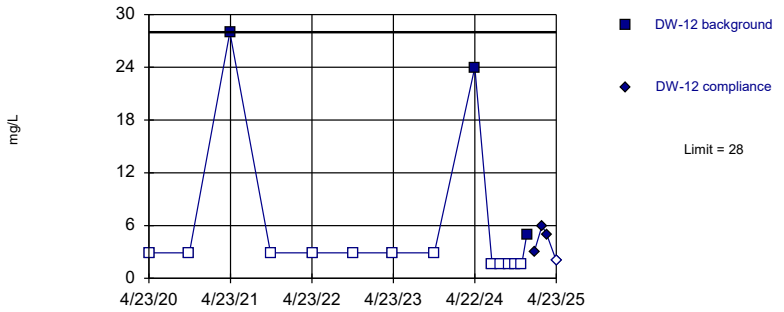
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Report alpha = 0.0625. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

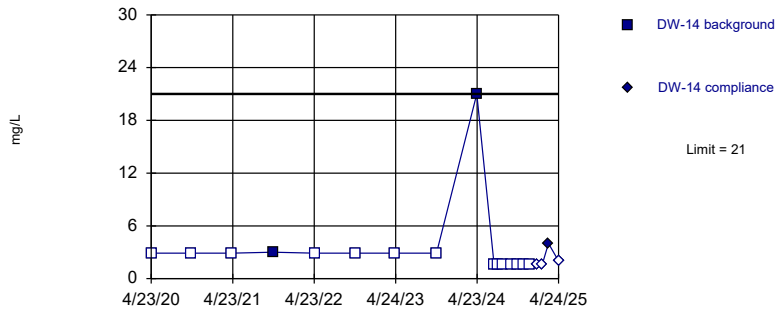
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Report alpha = 0.05882. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

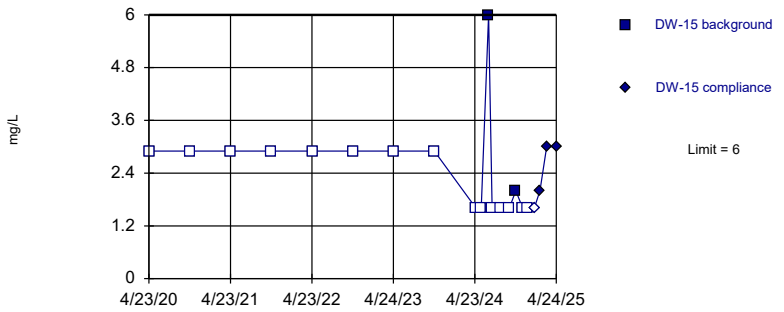
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Report alpha = 0.05556. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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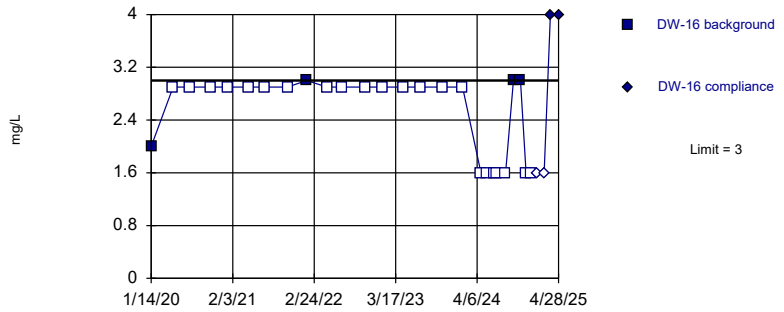
Hollow symbols indicate censored values.

Exceeds Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Report alpha = 0.03704. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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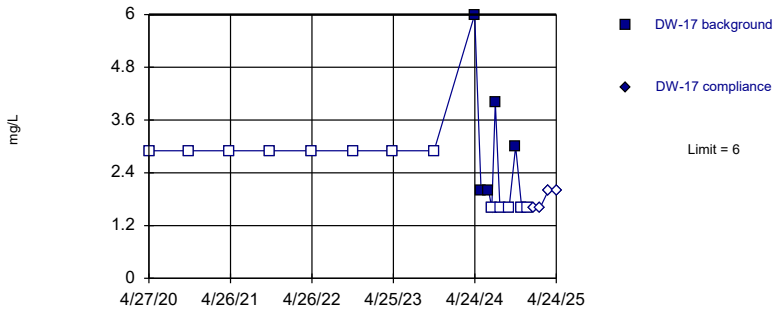
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 72.22% NDs. Report alpha = 0.05263. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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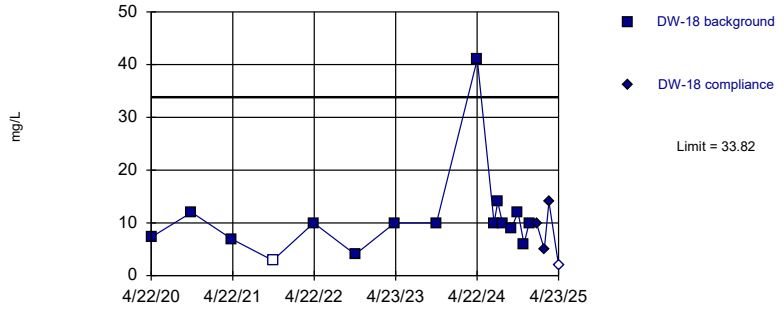
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=10.94, Std. Dev.=8.529, n=16, 6.25% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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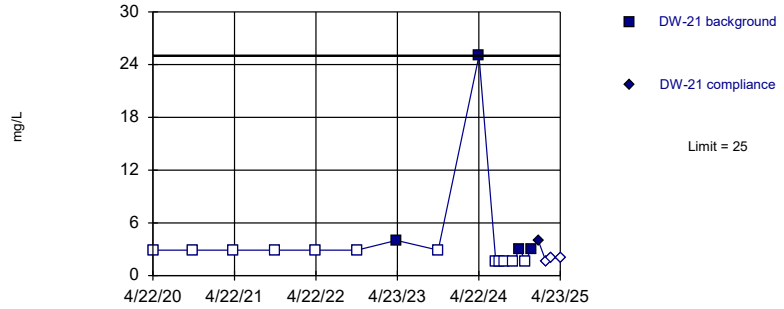
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Report alpha = 0.05882. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

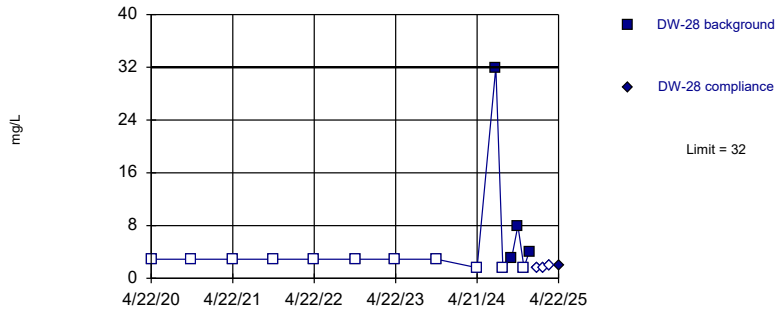
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Report alpha = 0.0625. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

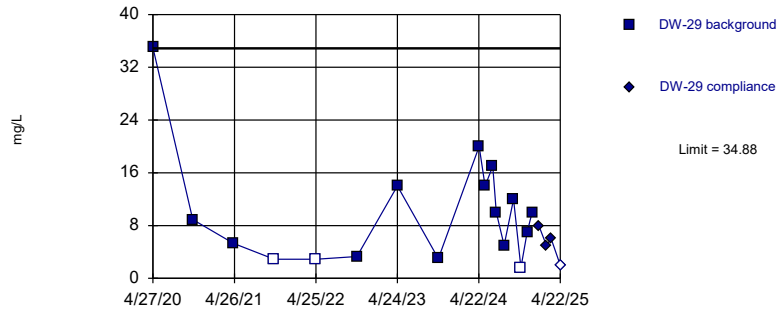
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary (after Cohen`s Adjustment): Mean=9.152, Std. Dev.=9.677, n=17, 17.65% NDs. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

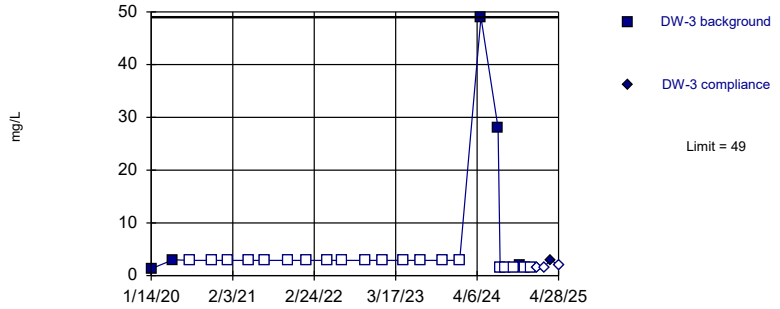
Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Sanitas™ v.10.0.27 Software licensed to Environmental Applications, Inc. CA
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Report alpha = 0.03846. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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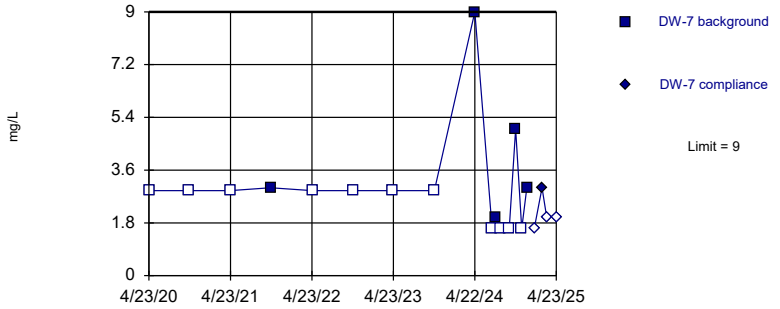
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Report alpha = 0.05882. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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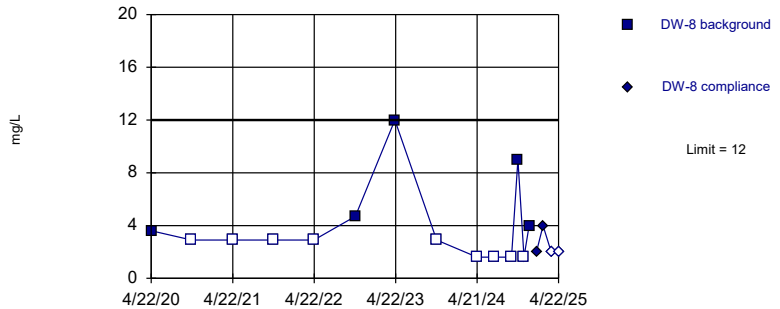
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Report alpha = 0.06667. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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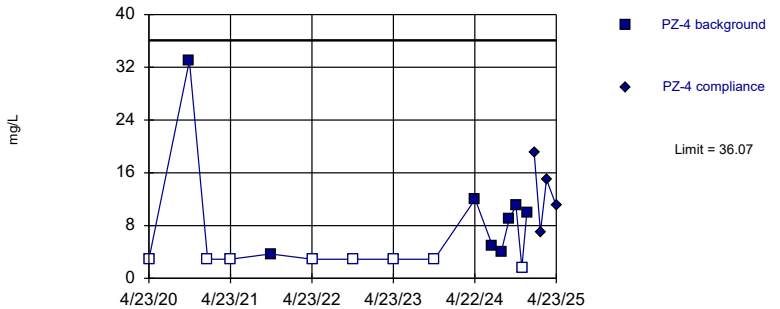
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary (after Cohen`s Adjustment): Mean=1.541, Std. Dev.=12.87, n=16, 50% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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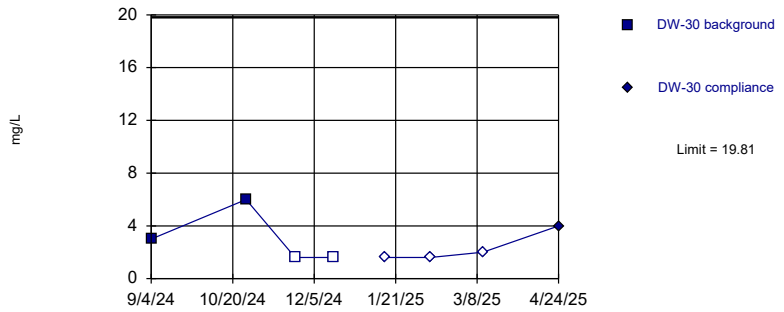
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary (after Cohen`s Adjustment): Mean=1.625, Std. Dev.=3.583, n=4, 50% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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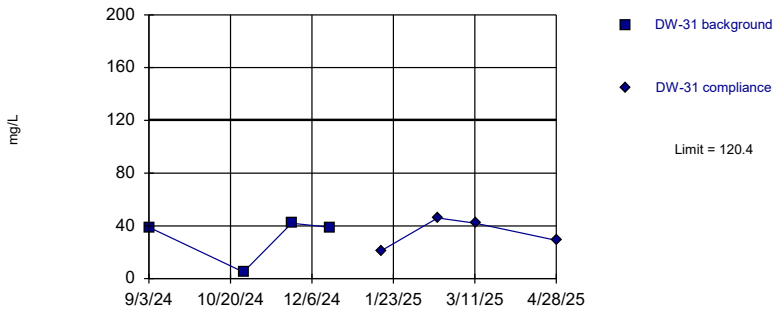
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=31.25, Std. Dev.=17.56, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chemical Oxygen Demand Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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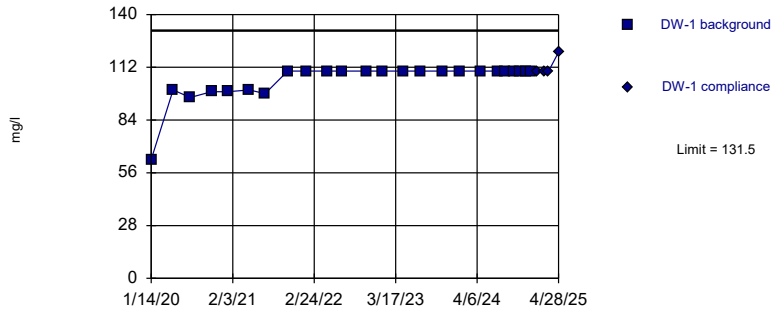
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=105.2, Std. Dev.=10.3, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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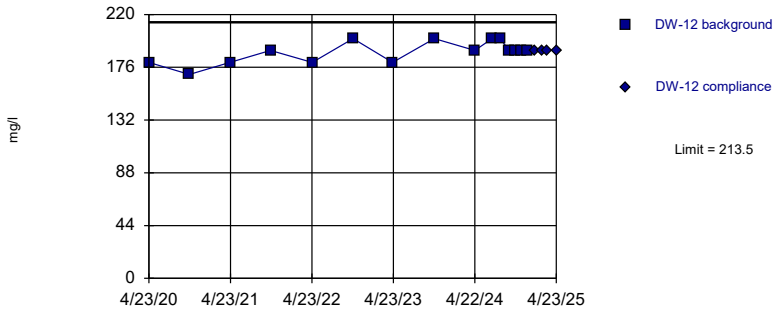
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=188.7, Std. Dev.=9.155, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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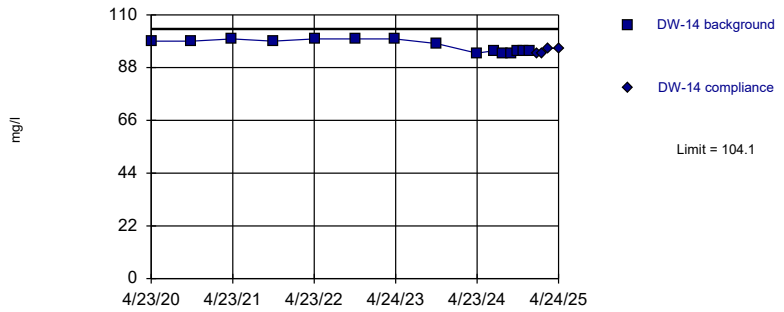
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=97.13, Std. Dev.=2.56, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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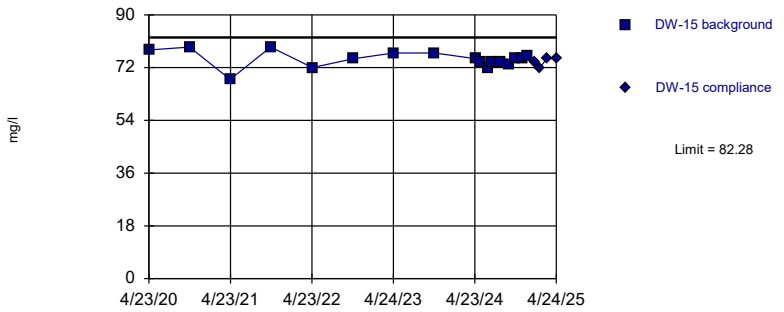
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=74.88, Std. Dev.=2.781, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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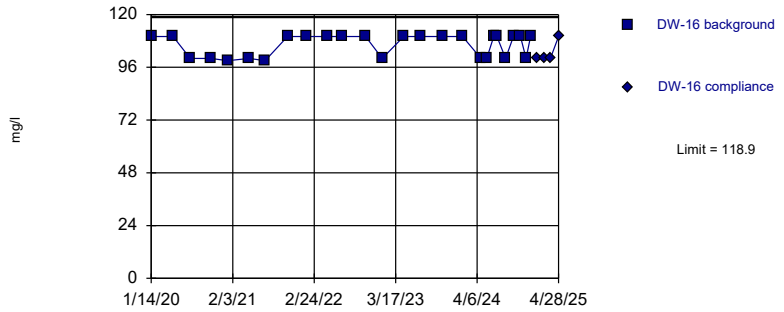
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=106.1, Std. Dev.=5.067, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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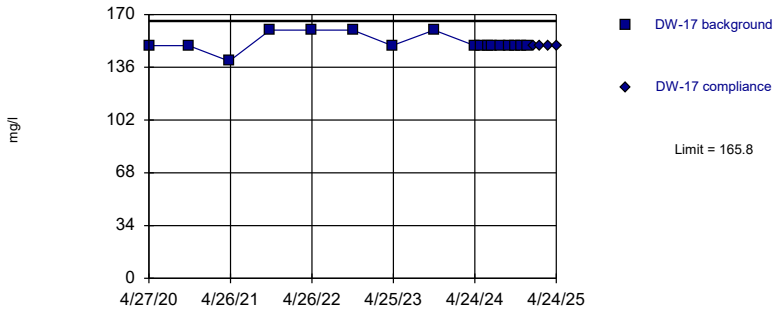
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=151.8, Std. Dev.=5.286, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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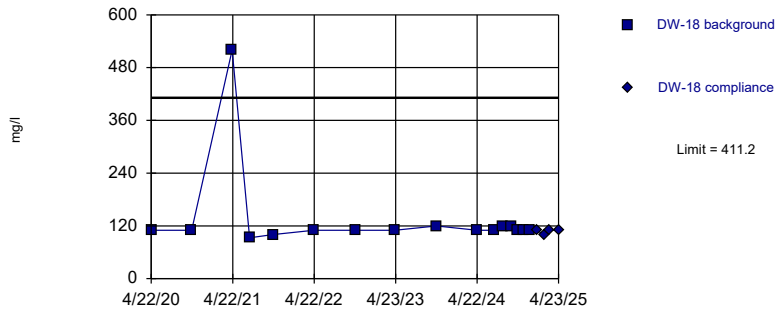
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=135.8, Std. Dev.=102.7, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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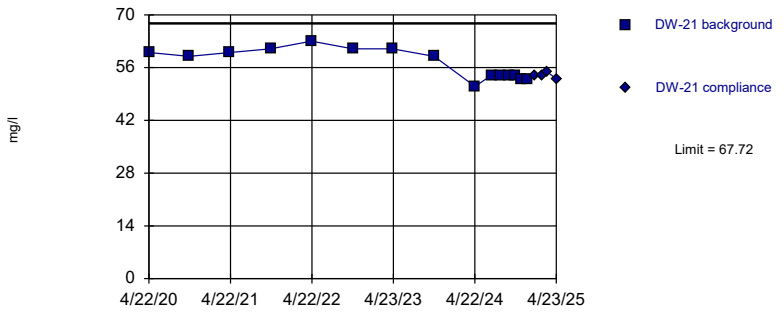
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=57.13, Std. Dev.=3.907, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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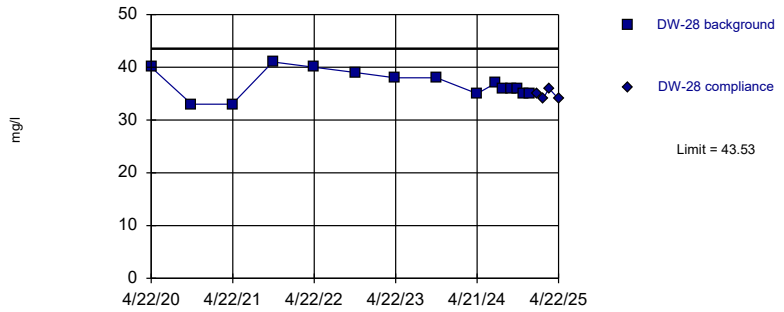
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=36.8, Std. Dev.=2.484, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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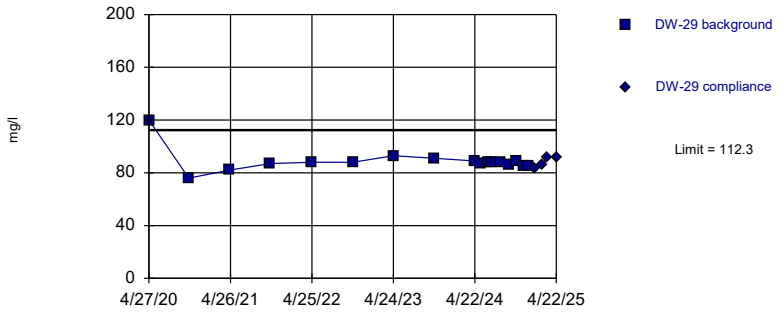
Within Limit

## Prediction Limit

Intrawell Parametric



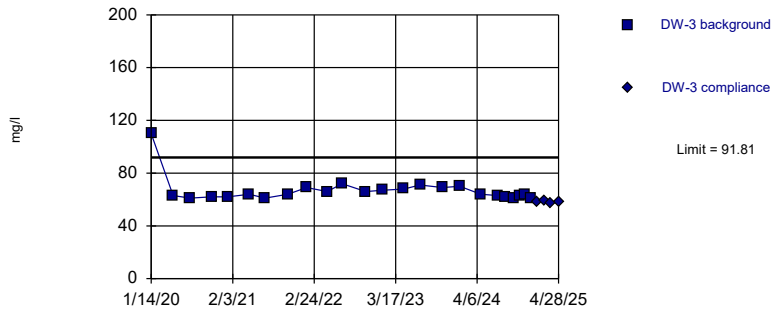

Background Data Summary: Mean=88.82, Std. Dev.=8.848, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=66.79, Std. Dev.=9.807, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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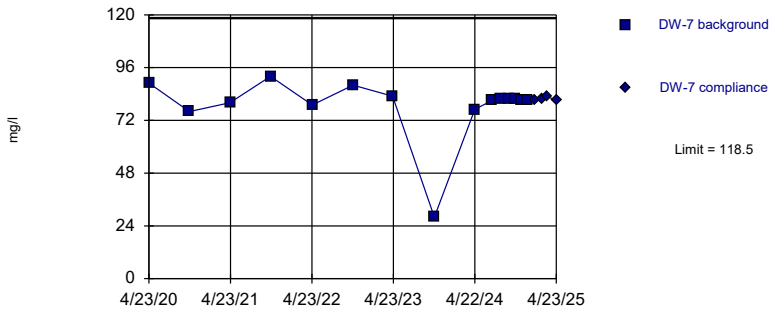
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=78.73, Std. Dev.=14.68, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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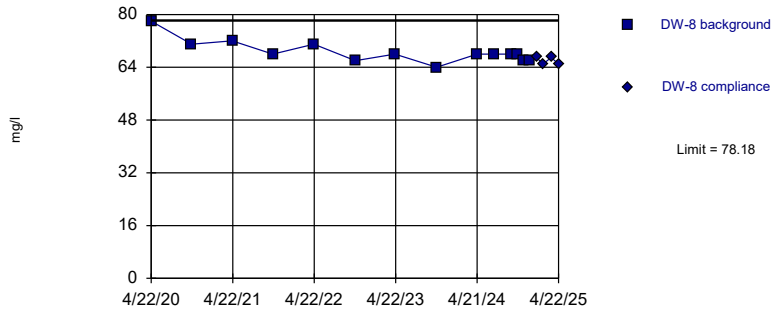
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=68.71, Std. Dev.=3.451, n=14. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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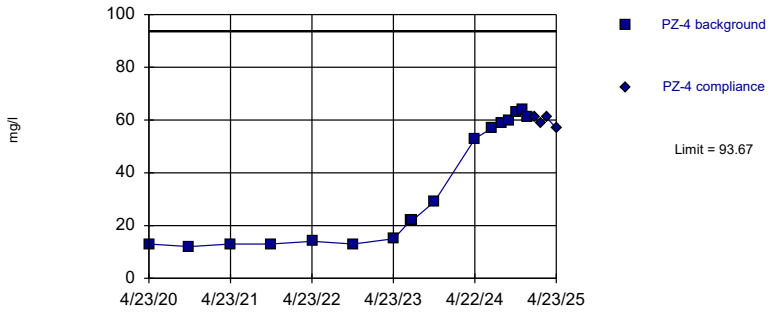
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=34.29, Std. Dev.=22.33, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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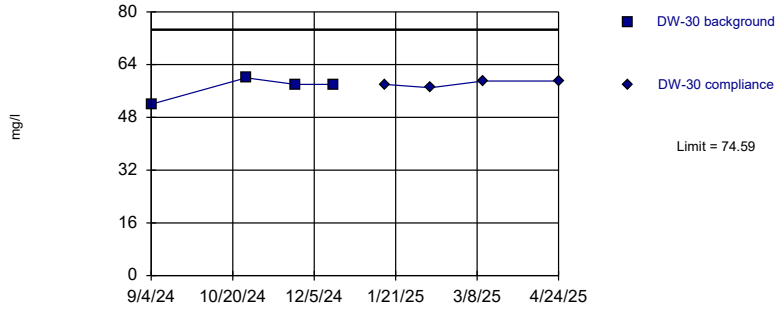
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=57, Std. Dev.=3.464, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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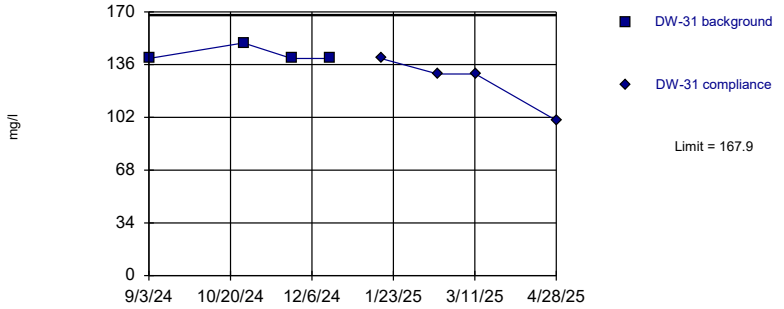
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=142.5, Std. Dev.=5, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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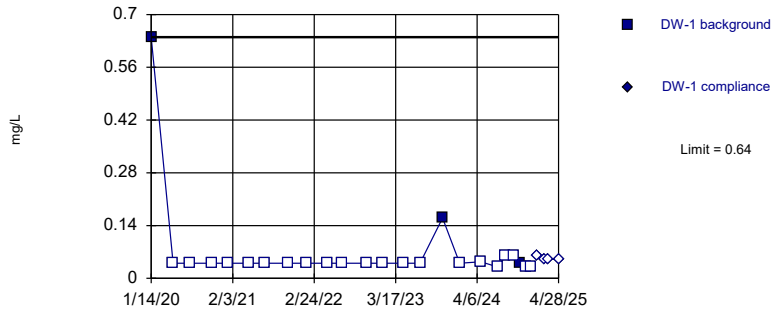
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 87.5% NDs. Report alpha = 0.04. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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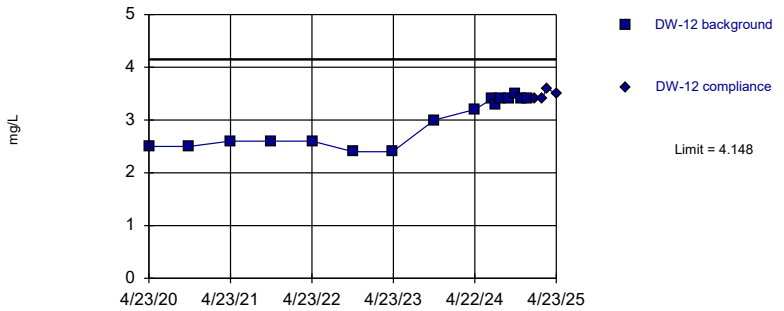
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2.975, Std. Dev.=0.4374, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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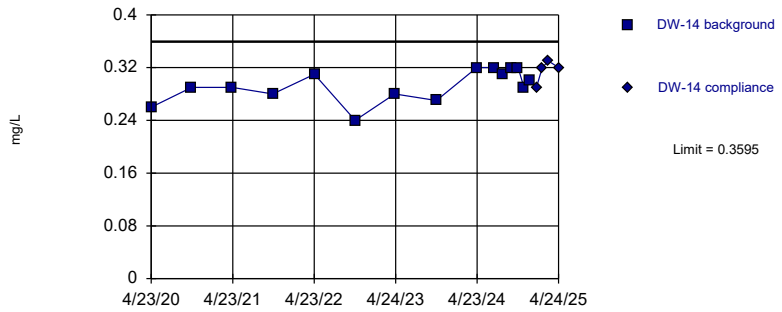
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=0.2933, Std. Dev.=0.0244, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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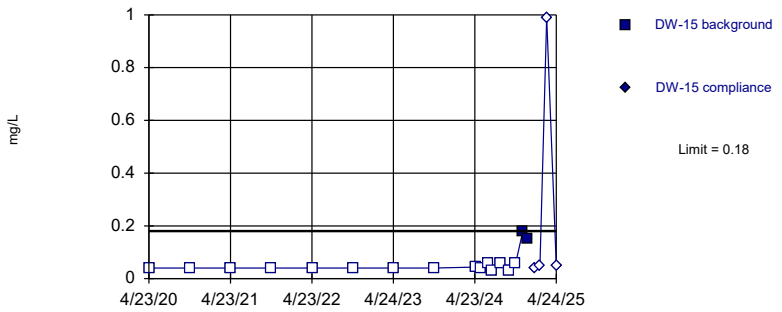
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Report alpha = 0.05556. Most recent point compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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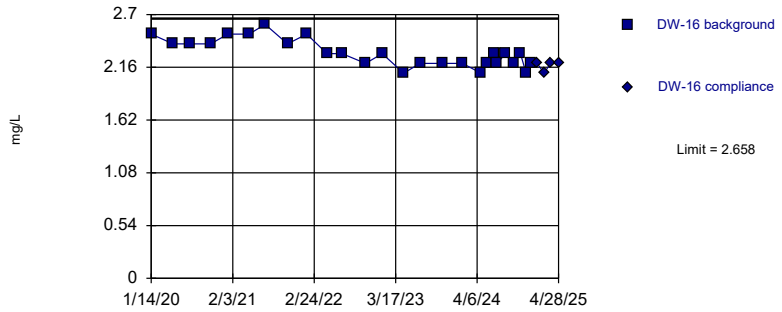
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2.304, Std. Dev.=0.1399, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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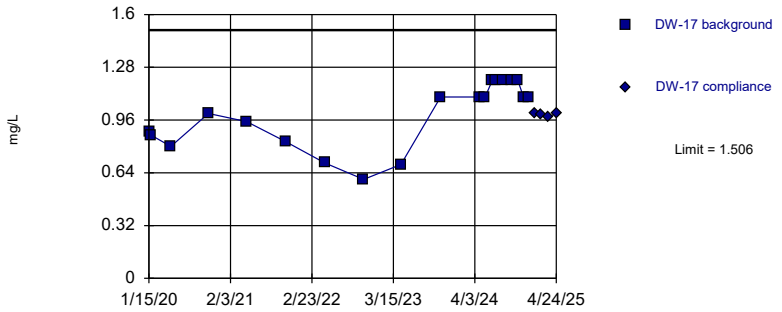
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=0.9911, Std. Dev.=0.1965, n=19. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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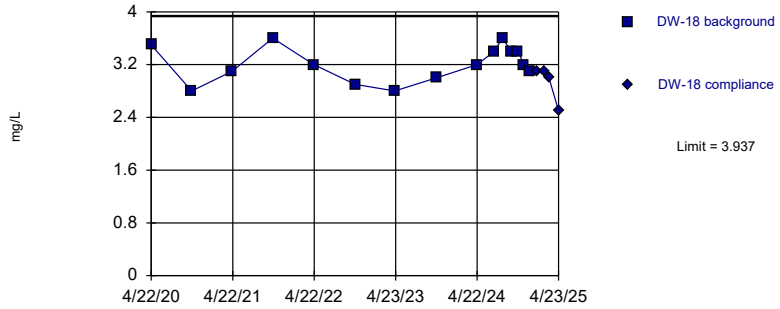
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=3.213, Std. Dev.=0.2669, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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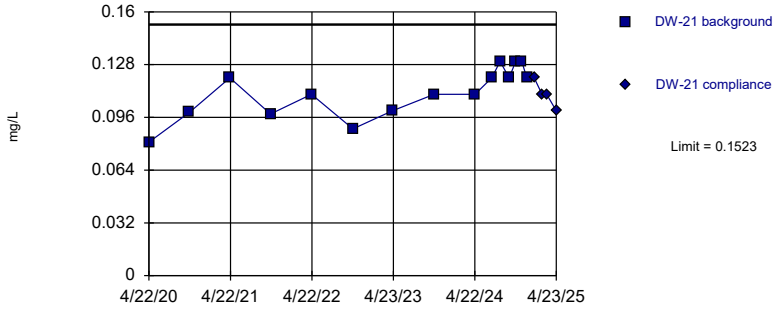
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=0.1111, Std. Dev.=0.01518, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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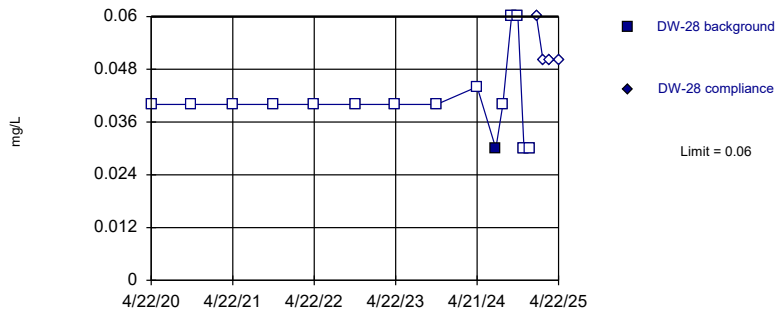
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Report alpha = 0.0625. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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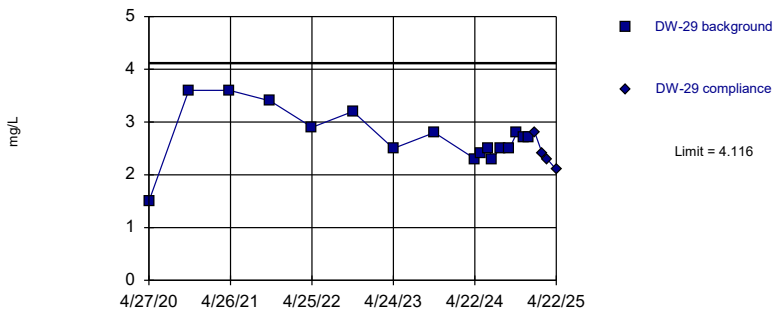
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2.718, Std. Dev.=0.5259, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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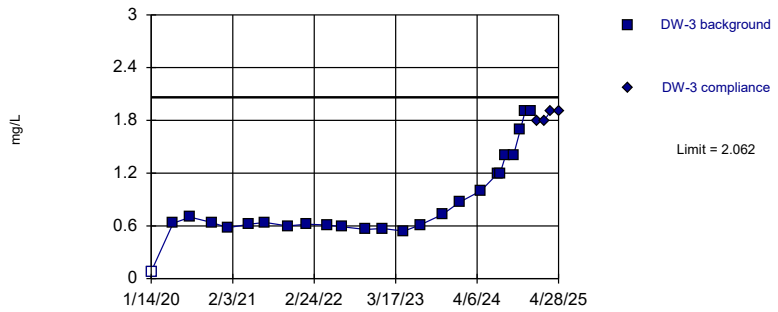
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=0.8756, Std. Dev.=0.467, n=25, 4% NDs. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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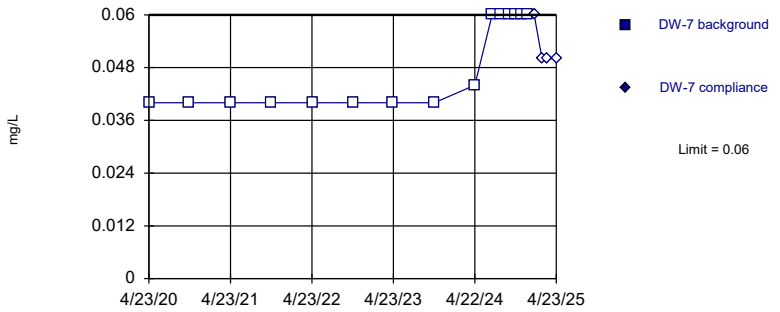
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Report alpha = 0.0625. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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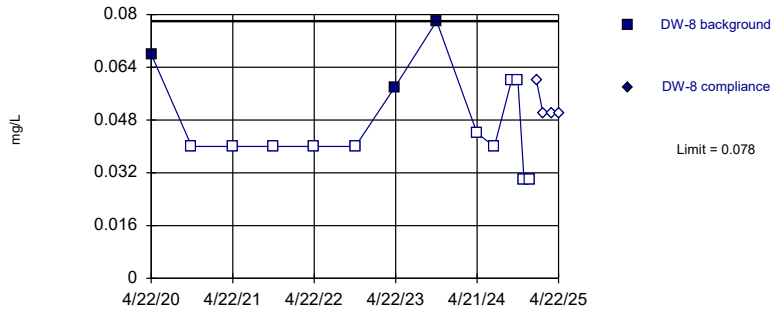
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Non-parametric




Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Report alpha = 0.06667. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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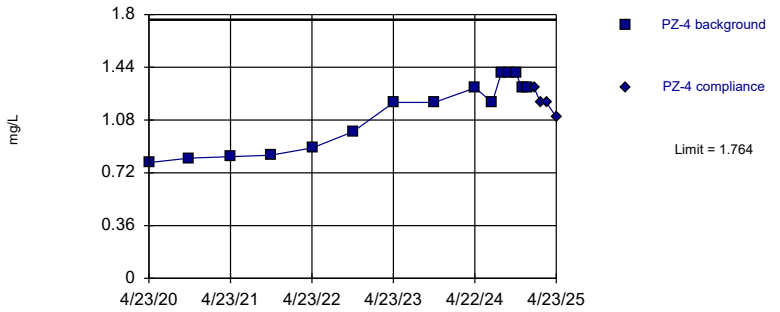
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.125, Std. Dev.=0.236, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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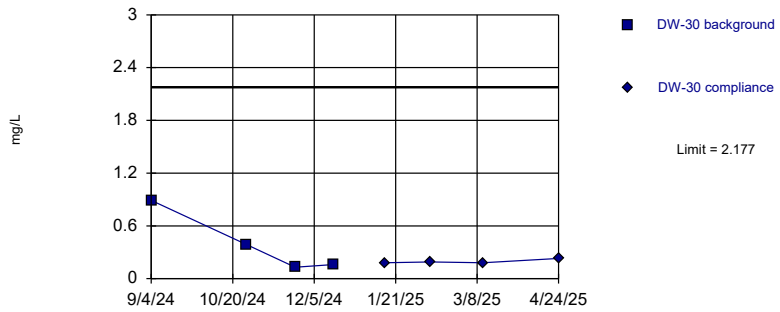
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=0.3925, Std. Dev.=0.3514, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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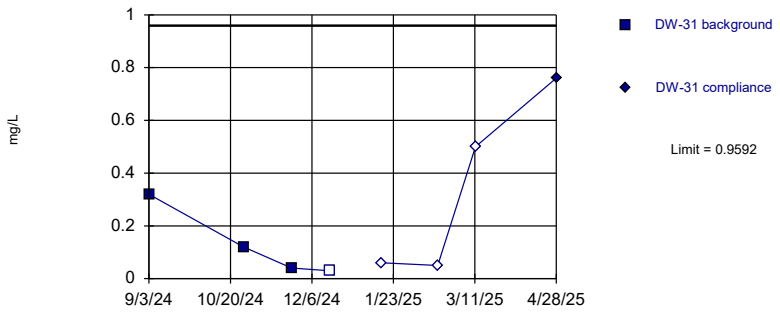
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary (after Cohen`s Adjustment): Mean=0.09929, Std. Dev.=0.1694, n=4, 25% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Nitrate as N Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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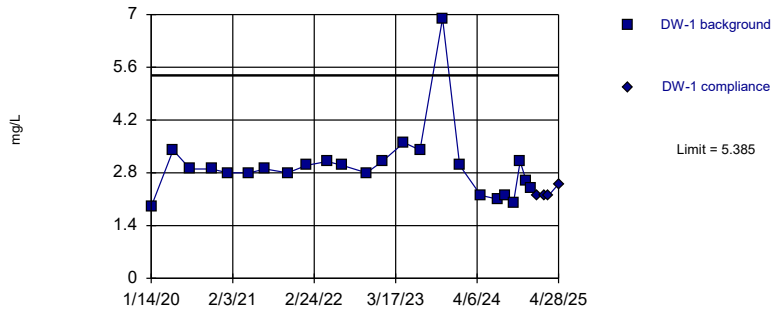
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2.954, Std. Dev.=0.9528, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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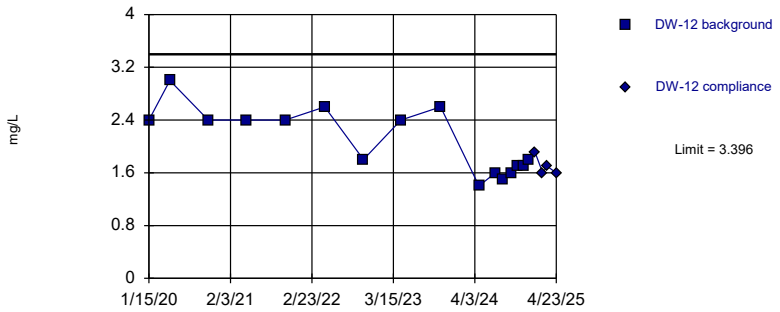
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2.081, Std. Dev.=0.4902, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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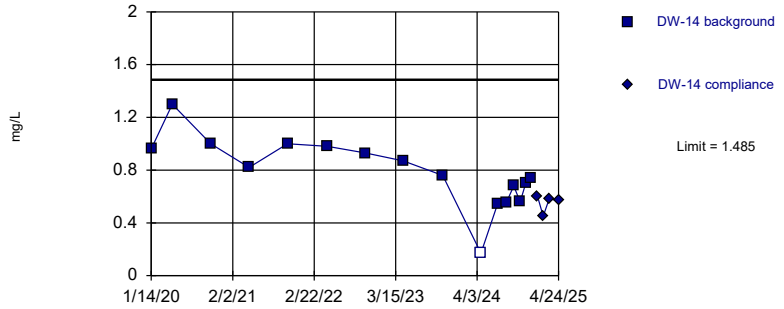
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=0.785, Std. Dev.=0.2609, n=16, 6.25% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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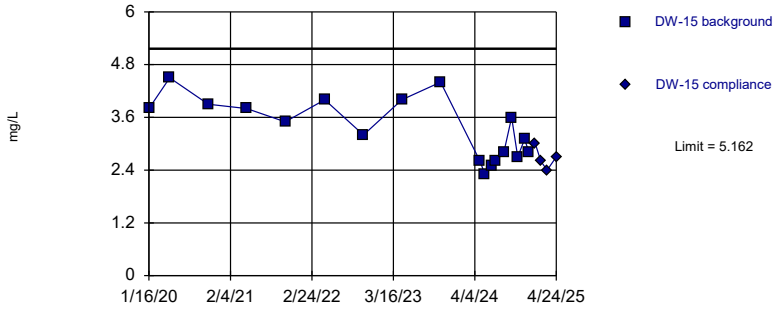
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=3.339, Std. Dev.=0.6912, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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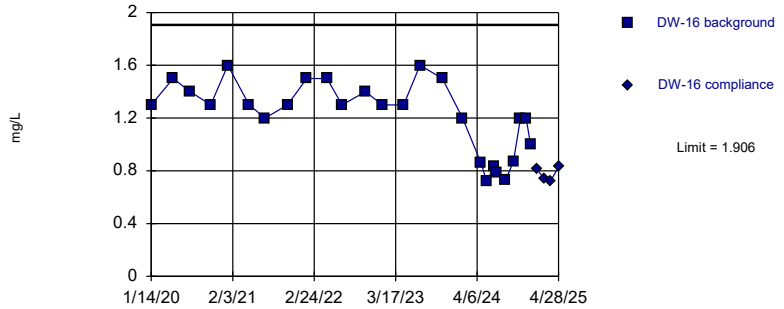
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.219, Std. Dev.=0.2714, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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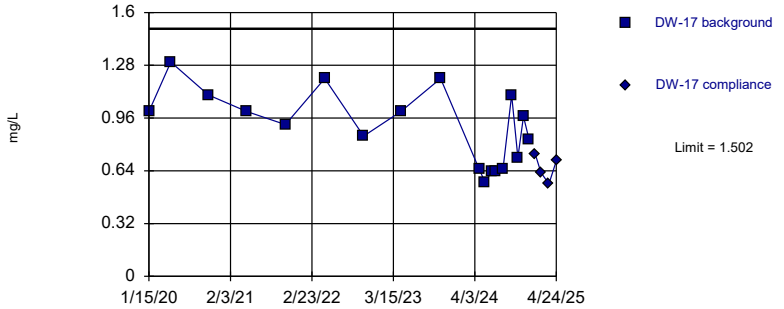
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=0.9078, Std. Dev.=0.2253, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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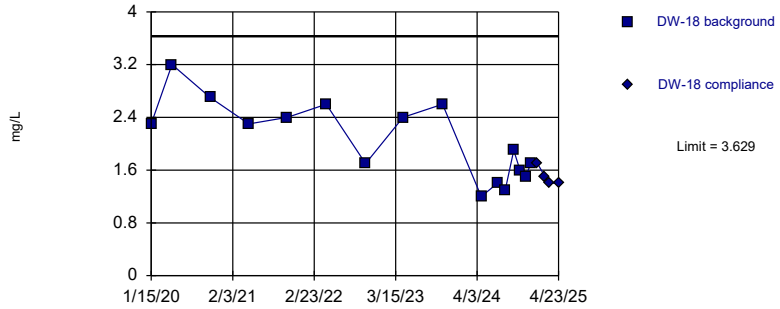
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2.05, Std. Dev.=0.5888, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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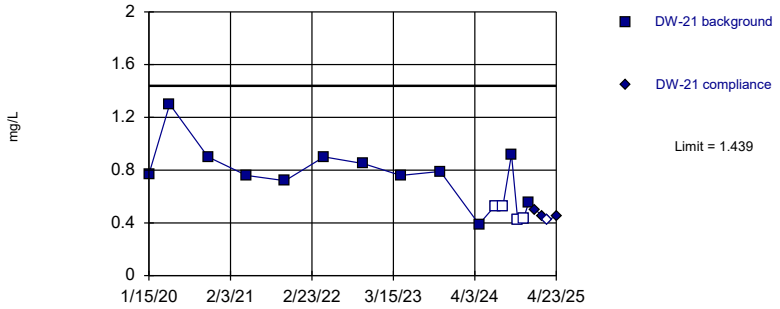
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary (after Cohen`s Adjustment): Mean=0.6896, Std. Dev.=0.2795, n=16, 25% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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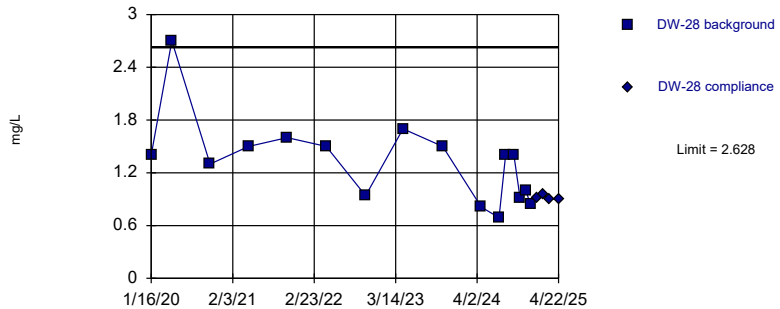
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.325, Std. Dev.=0.4856, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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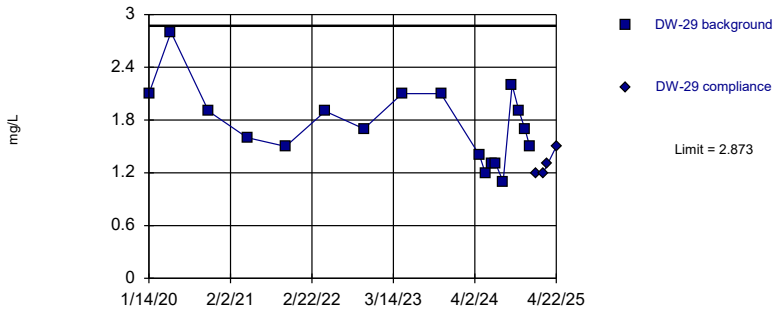
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.739, Std. Dev.=0.43, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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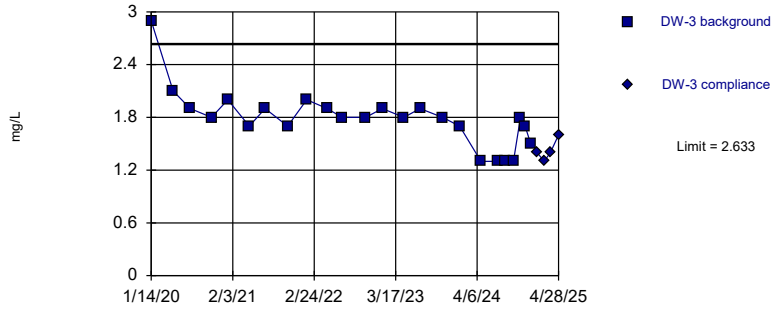
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.783, Std. Dev.=0.3332, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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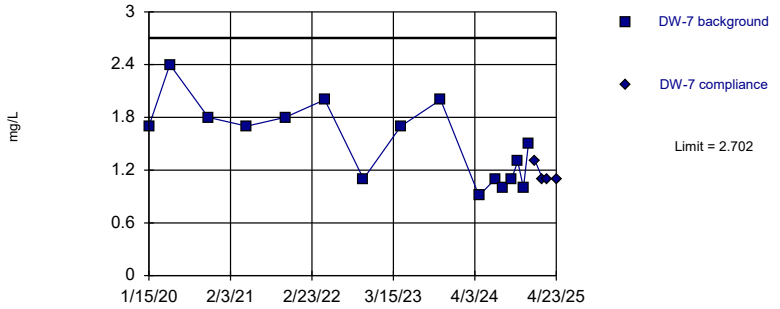
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.507, Std. Dev.=0.4455, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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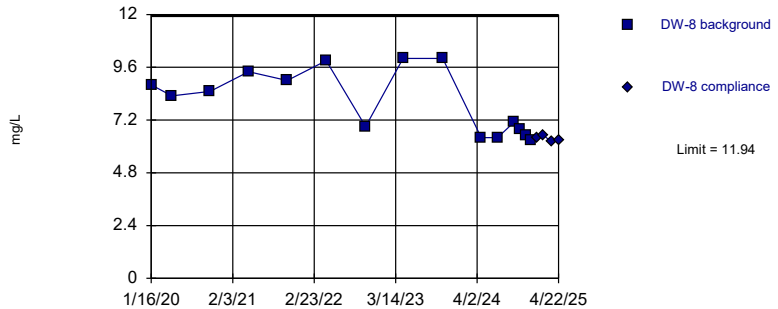
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=8.02, Std. Dev.=1.446, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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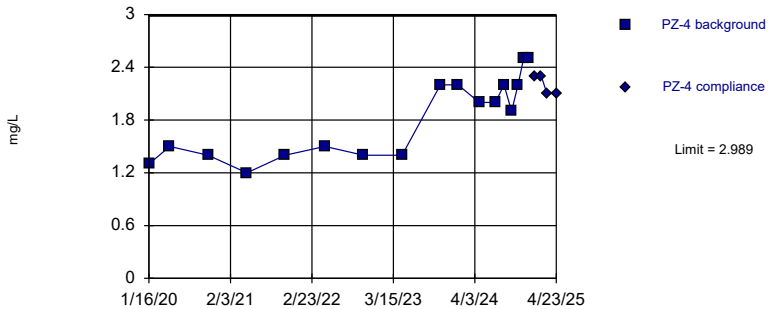
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.812, Std. Dev.=0.4428, n=17. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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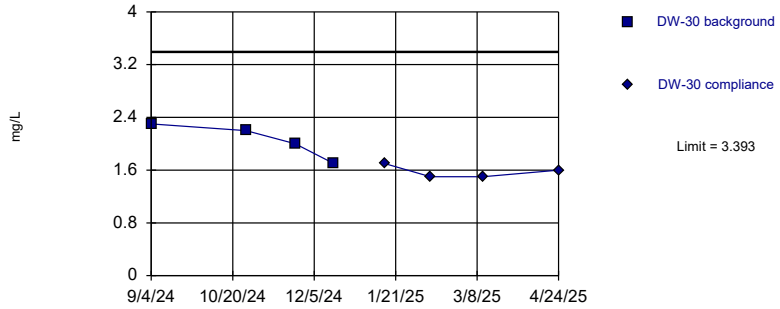
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2.05, Std. Dev.=0.2646, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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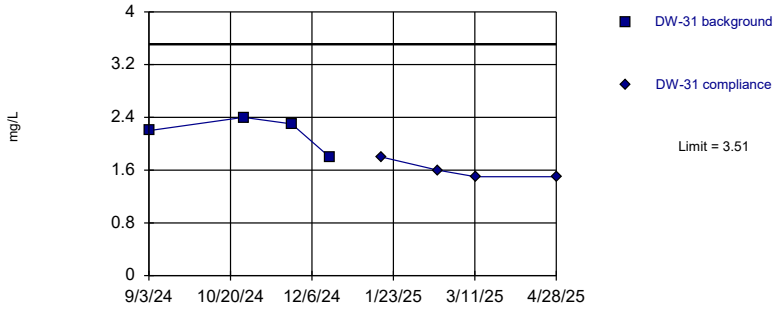
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2.175, Std. Dev.=0.263, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Potassium Analysis Run 6/29/2025 2:26 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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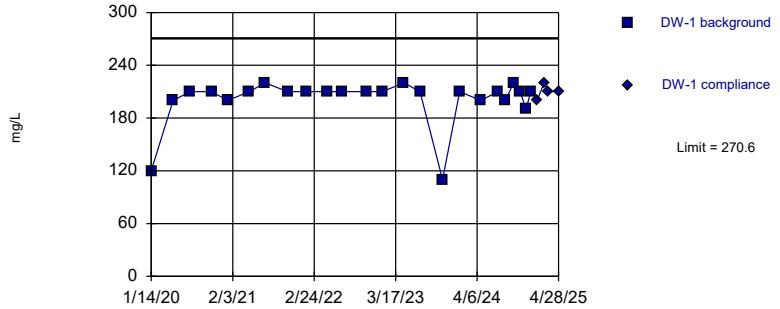
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=200.8, Std. Dev.=27.33, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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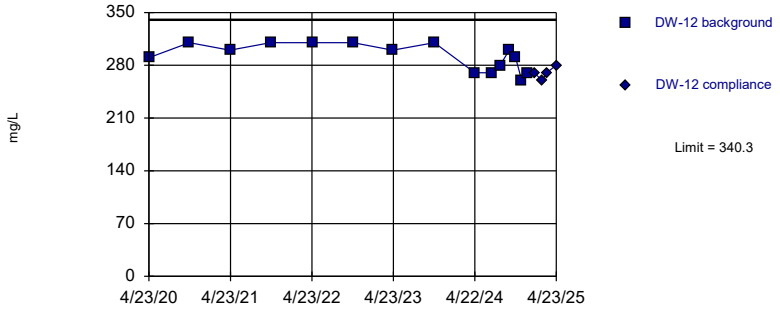
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=292, Std. Dev.=17.81, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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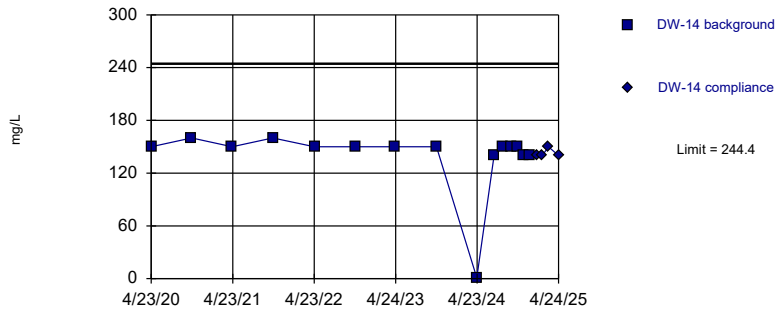
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=139.4, Std. Dev.=38.75, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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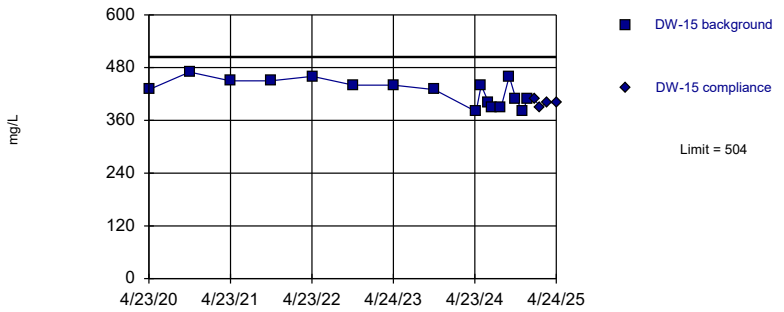
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=425.3, Std. Dev.=29.61, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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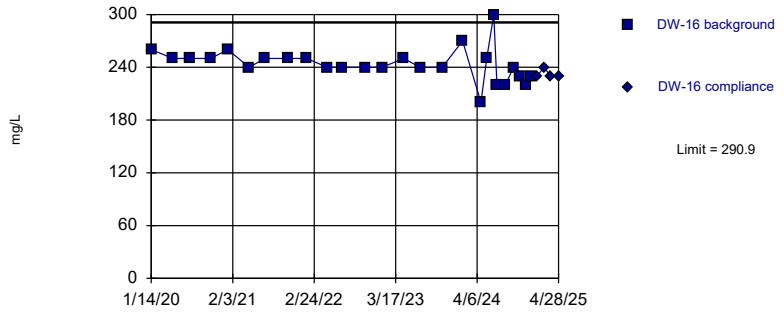
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=243.5, Std. Dev.=18.75, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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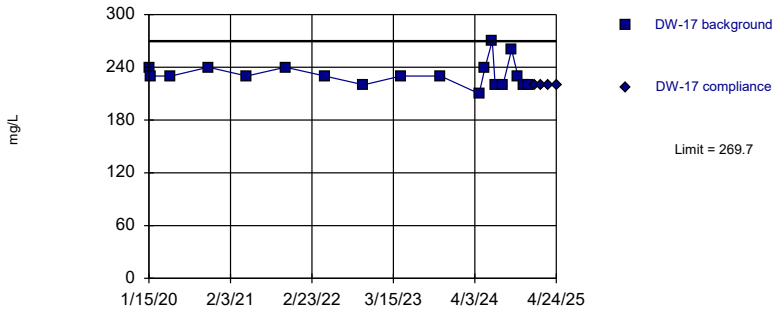
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=232.1, Std. Dev.=14.37, n=19. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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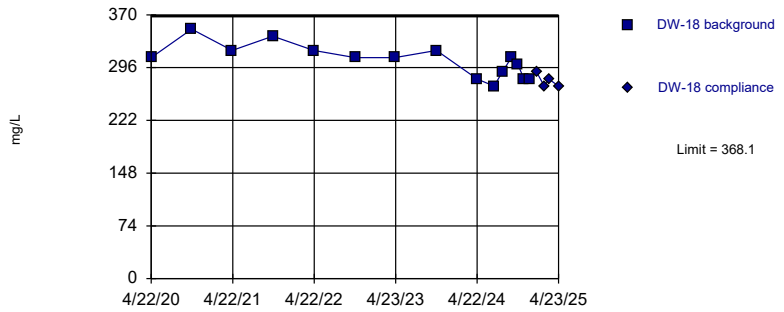
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=306, Std. Dev.=22.93, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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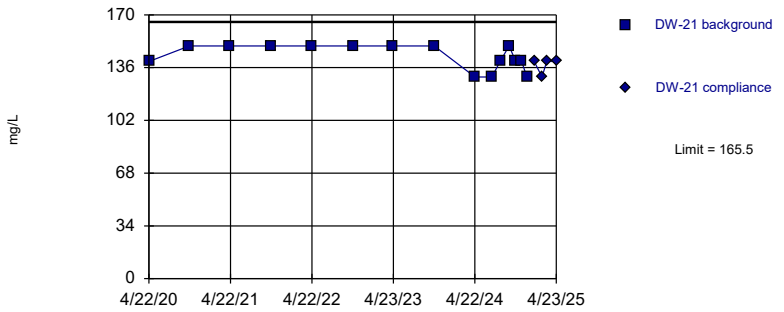
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=143.3, Std. Dev.=8.165, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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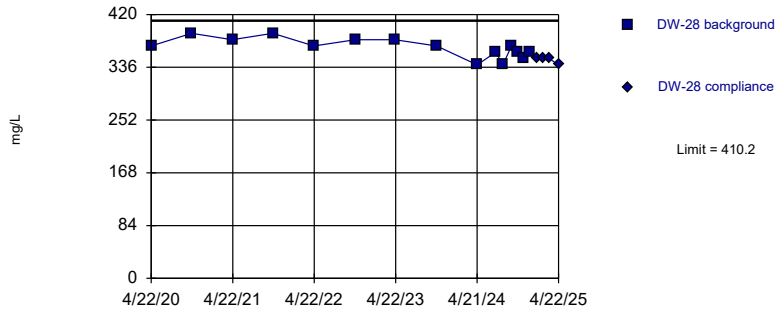
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=367.3, Std. Dev.=15.8, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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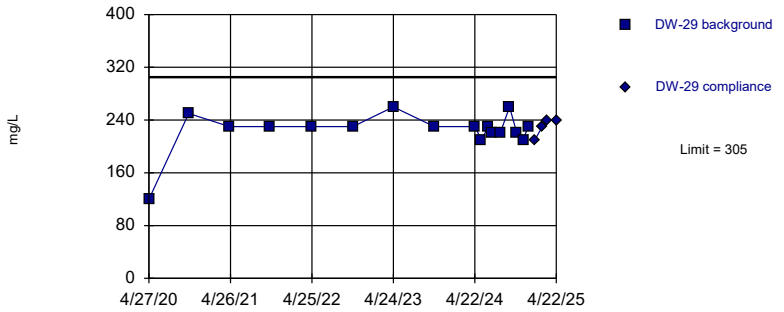
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=224.1, Std. Dev.=30.43, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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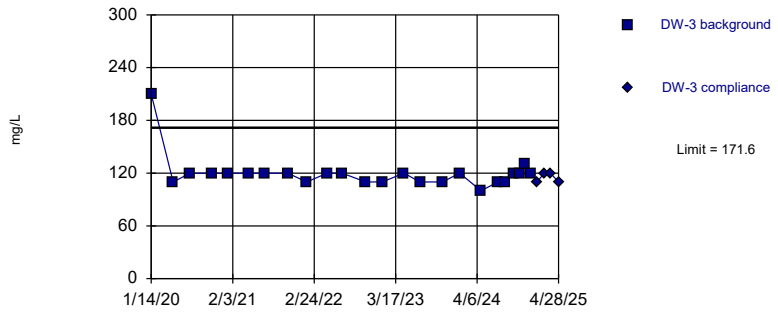
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=120, Std. Dev.=20.22, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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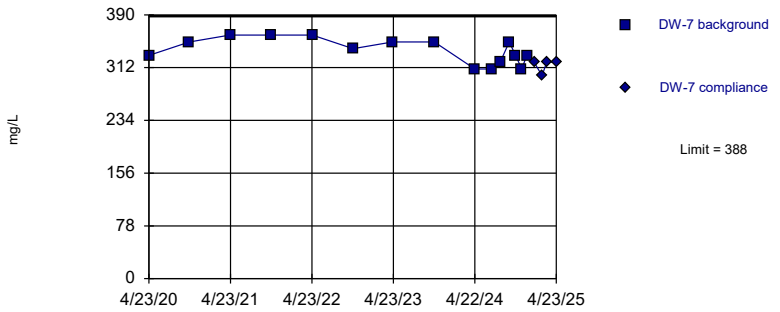
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=337.3, Std. Dev.=18.7, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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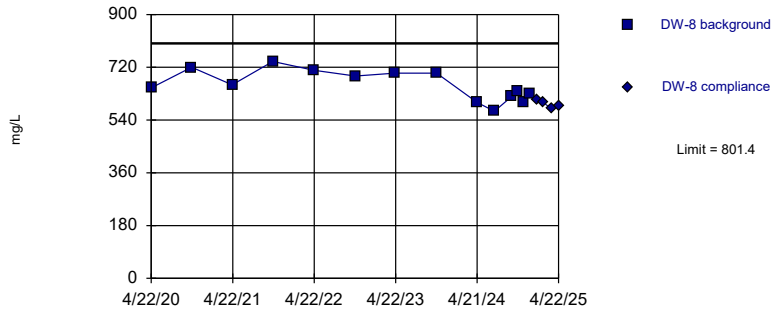
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=659.3, Std. Dev.=51.81, n=14. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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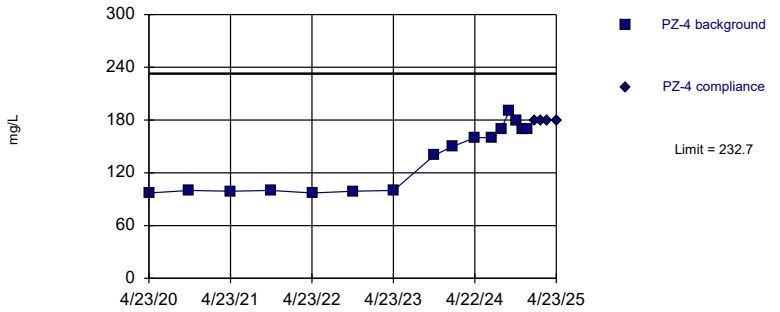
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=136.4, Std. Dev.=35.92, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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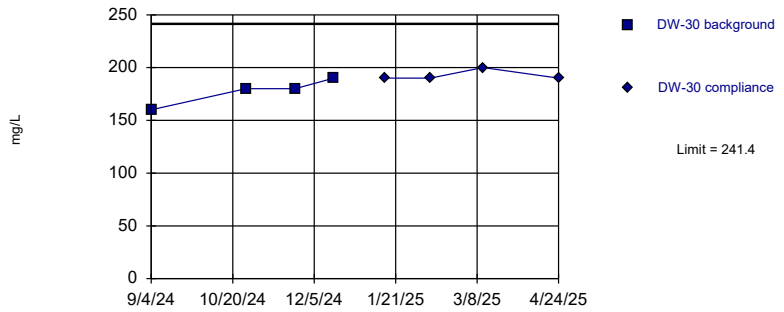
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=177.5, Std. Dev.=12.58, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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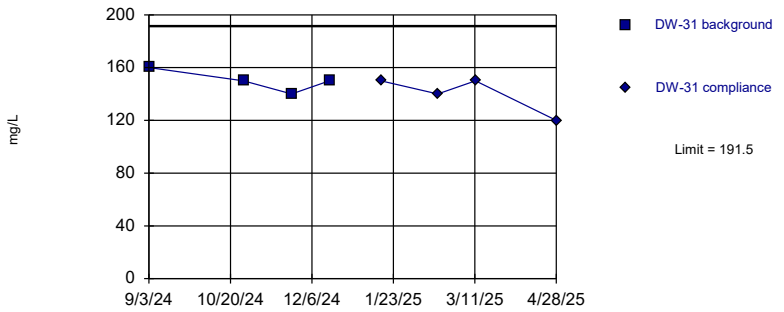
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=150, Std. Dev.=8.165, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sodium Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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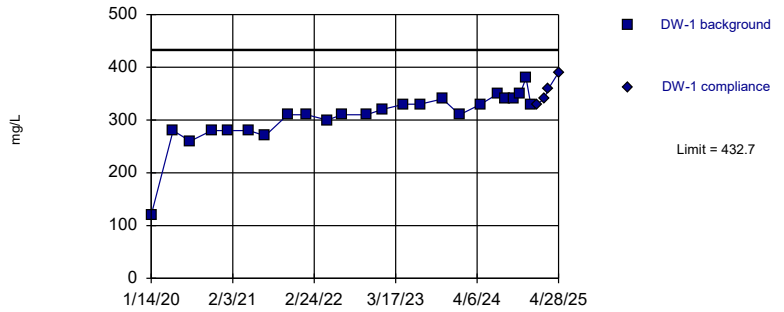
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=306.7, Std. Dev.=49.4, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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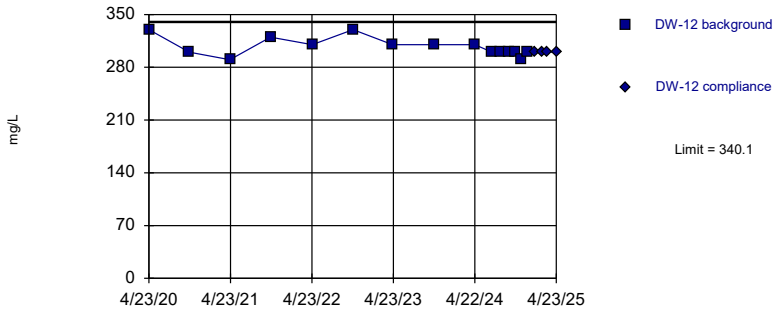
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=306.7, Std. Dev.=12.34, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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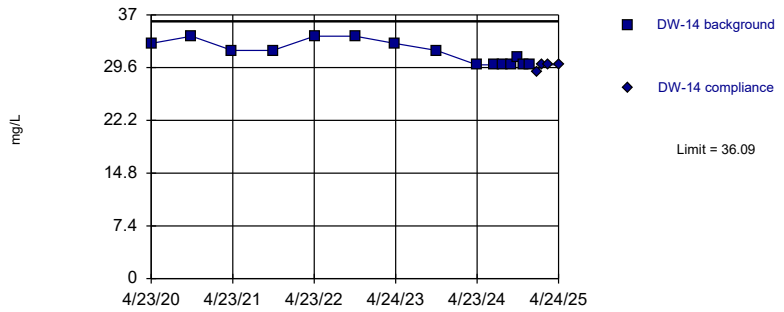
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=31.67, Std. Dev.=1.633, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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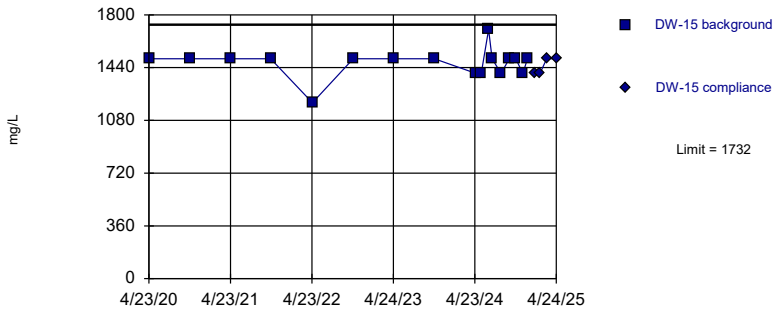
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1471, Std. Dev.=98.52, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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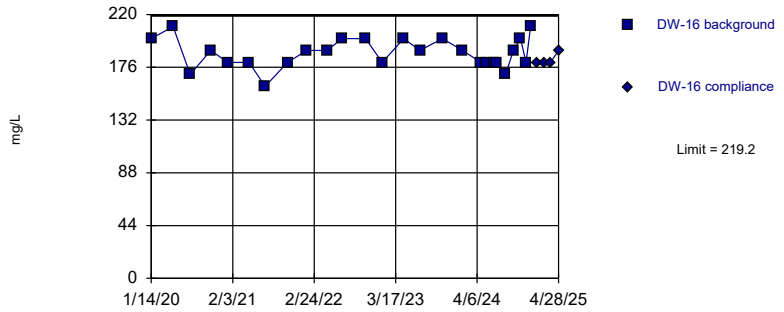
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=187.7, Std. Dev.=12.43, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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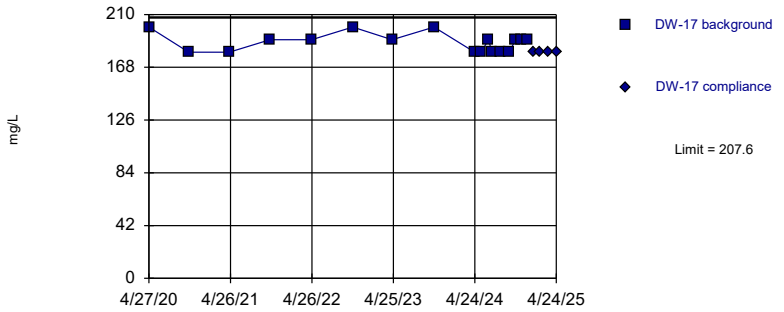
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=187.6, Std. Dev.=7.524, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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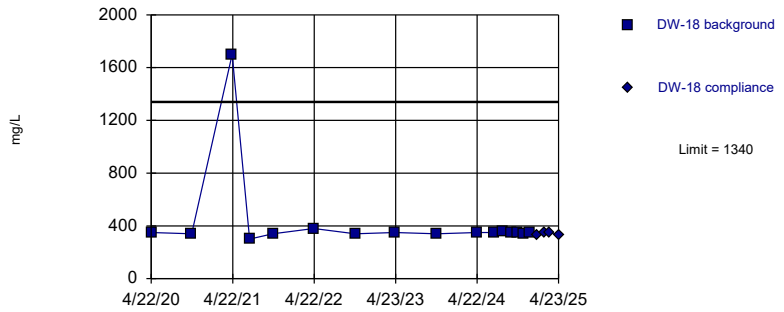
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=430.6, Std. Dev.=338.9, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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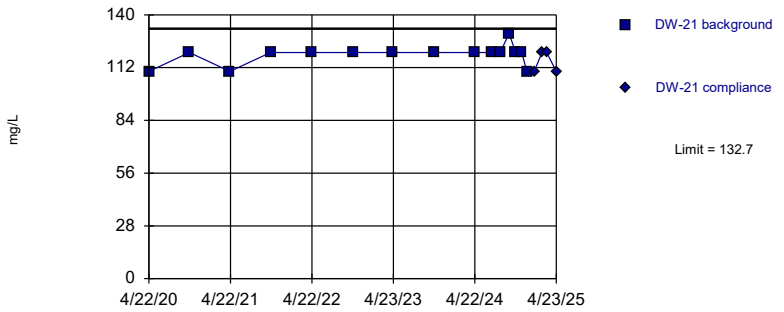
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=118.7, Std. Dev.=5.164, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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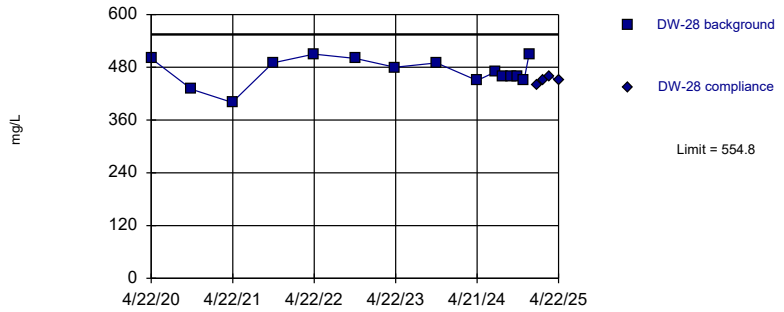
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=470.7, Std. Dev.=31.05, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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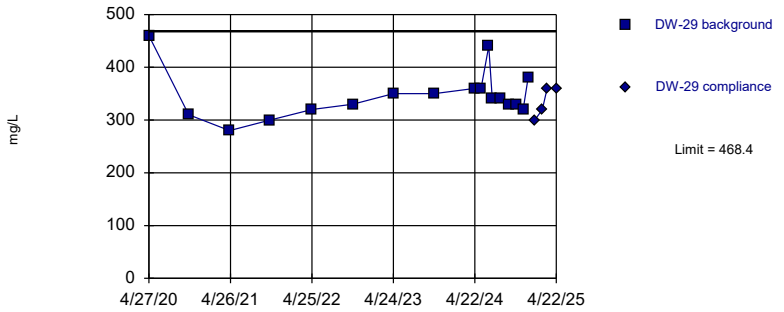
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=347.1, Std. Dev.=45.66, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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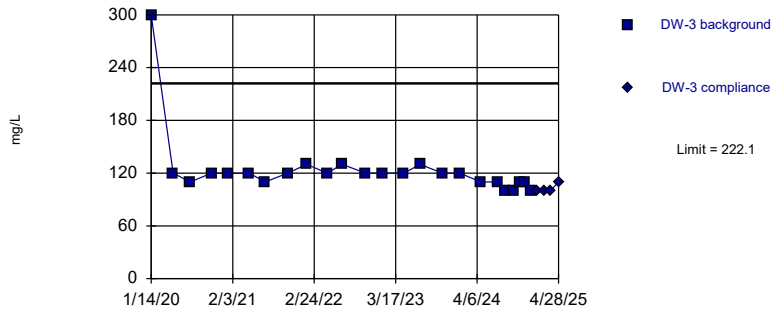
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=123.8, Std. Dev.=38.54, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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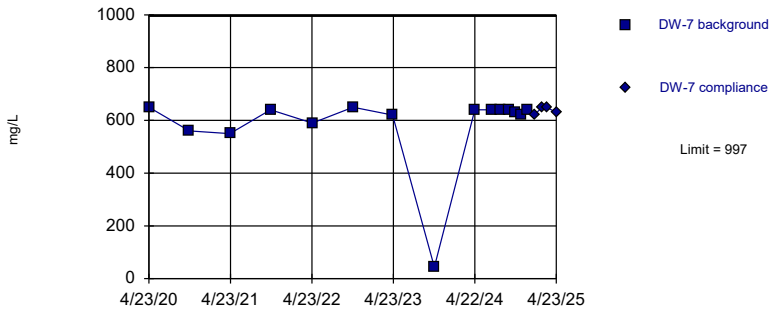
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=583.6, Std. Dev.=152.5, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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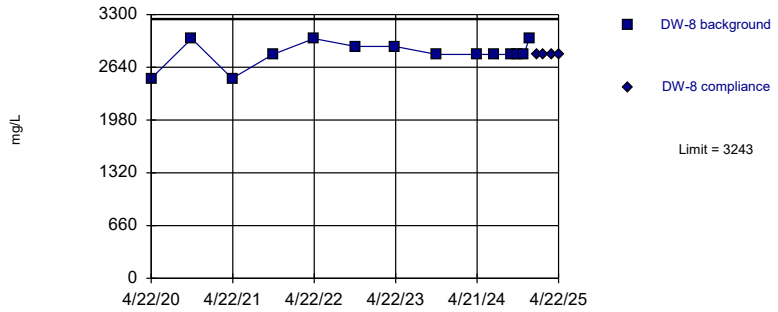
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2814, Std. Dev.=156.2, n=14. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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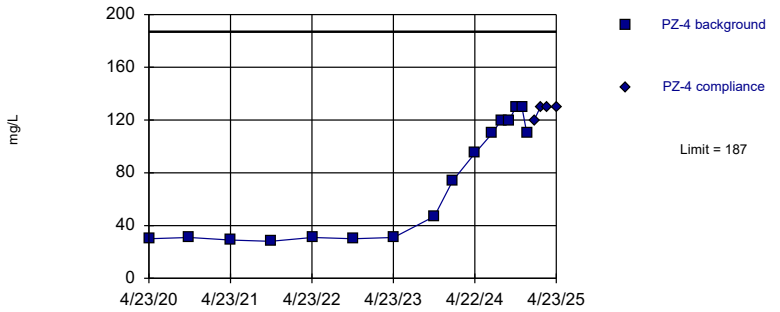
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=71.63, Std. Dev.=43, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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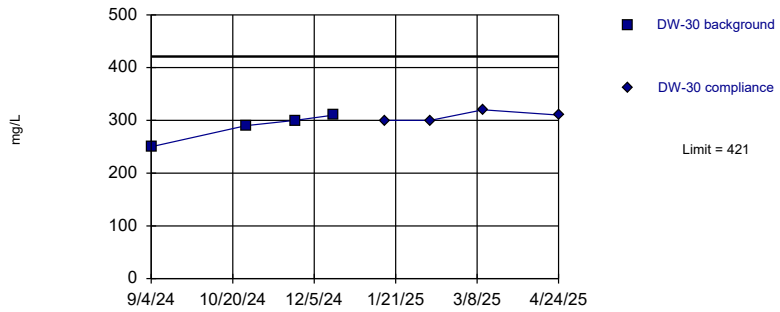
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=287.5, Std. Dev.=26.3, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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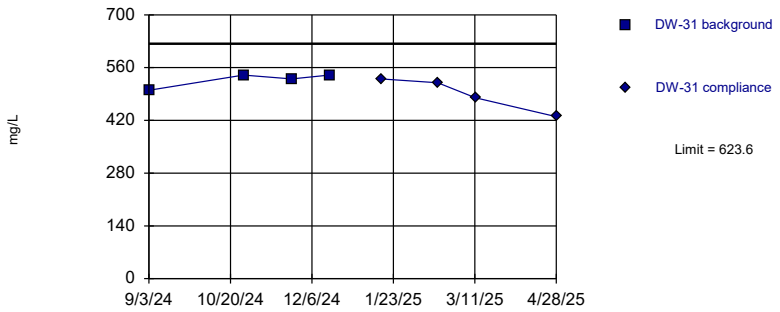
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=527.5, Std. Dev.=18.93, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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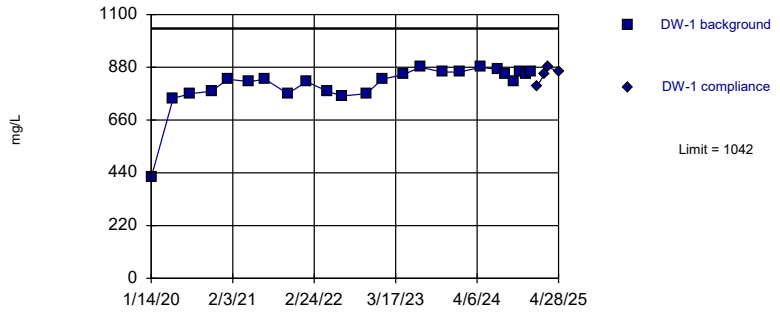
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=807.1, Std. Dev.=91.91, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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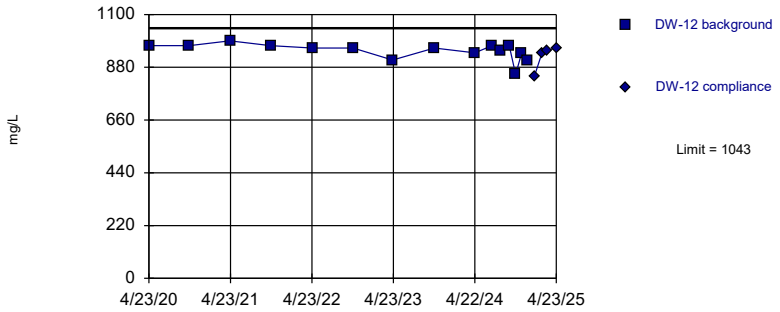
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=948, Std. Dev.=35.09, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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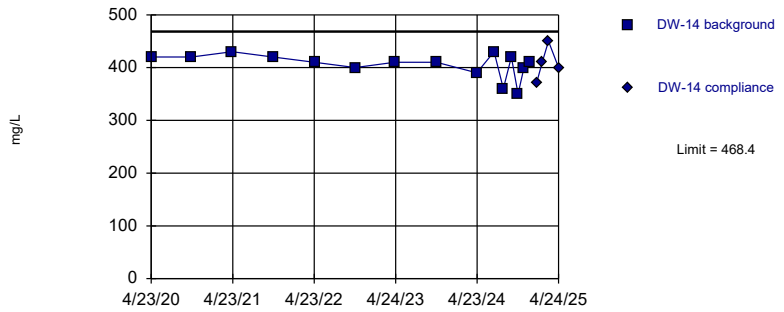
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=405.3, Std. Dev.=23.26, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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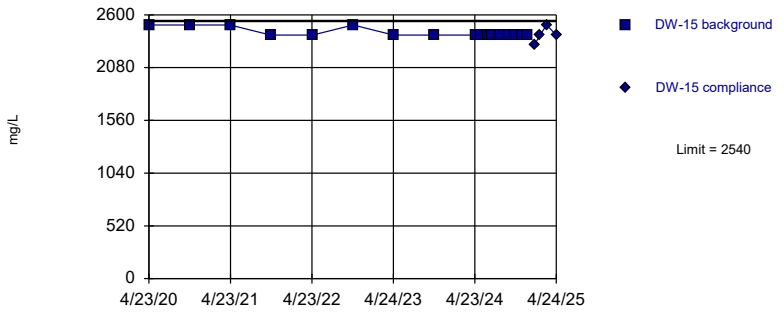
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2424, Std. Dev.=43.72, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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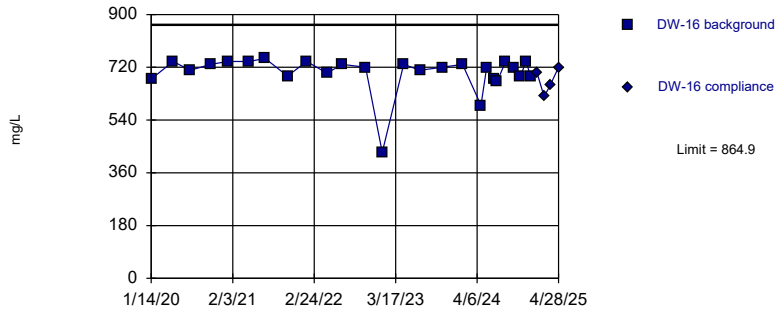
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=701.2, Std. Dev.=64.64, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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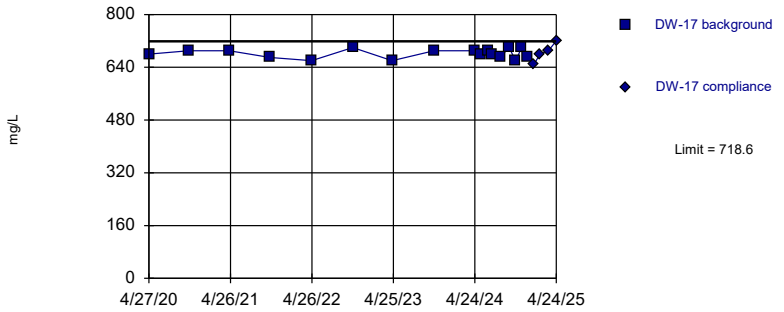
Exceeds Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=681.2, Std. Dev.=14.09, n=17. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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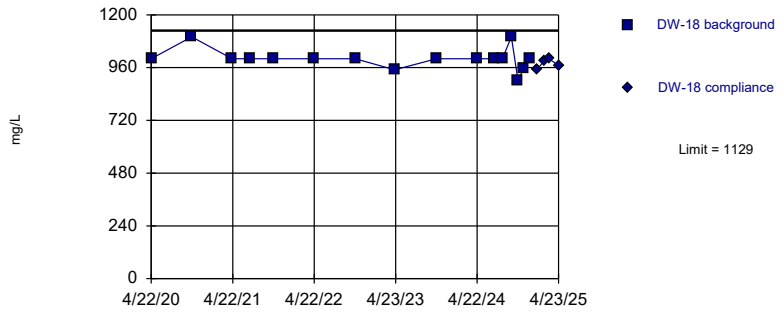
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1001, Std. Dev.=47.68, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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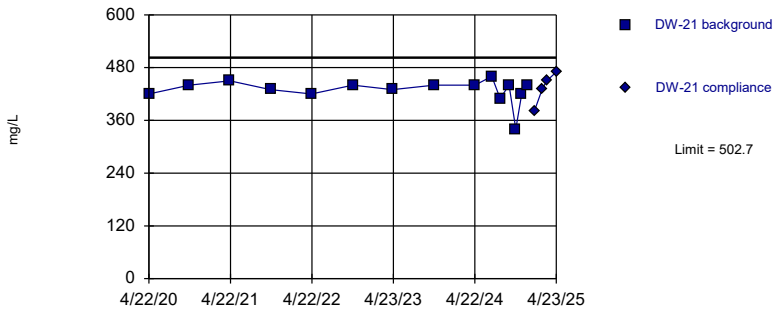
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=428, Std. Dev.=27.57, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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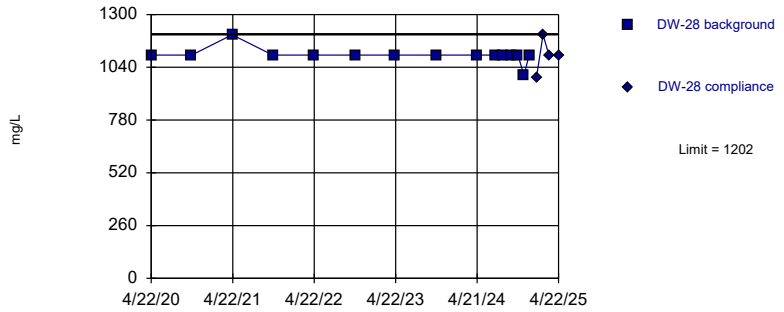
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1100, Std. Dev.=37.8, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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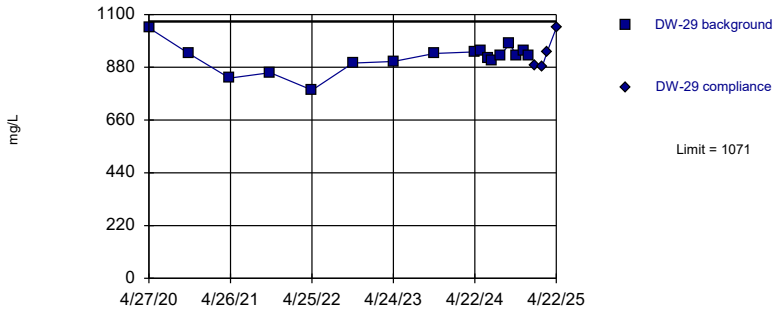
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=919.2, Std. Dev.=57.19, n=17. Seasonality was detected with 95% confidence and data were deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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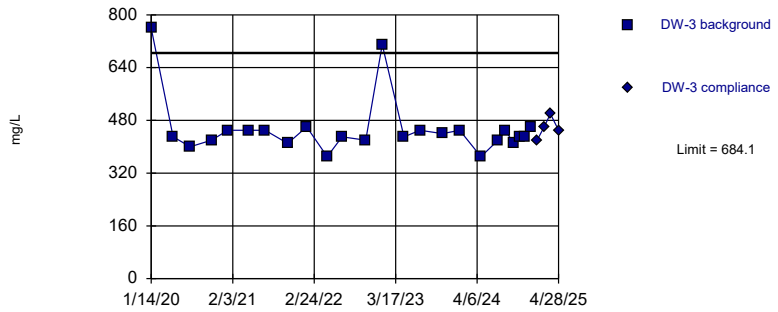
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=454.2, Std. Dev.=90.12, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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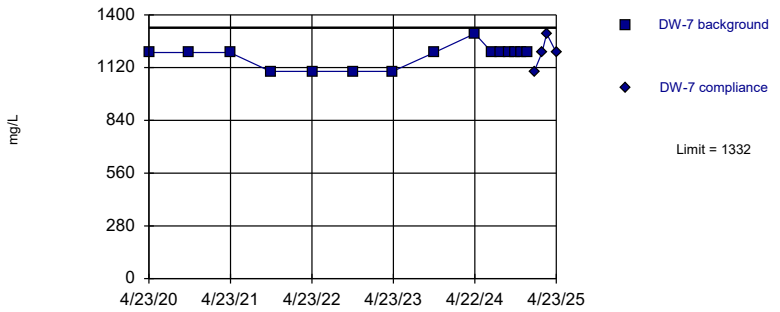
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1180, Std. Dev.=56.06, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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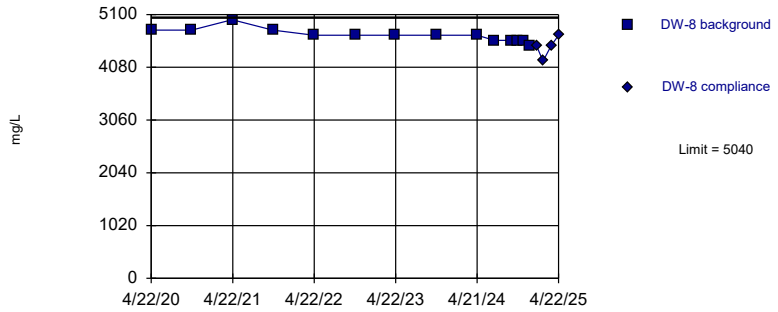
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=4700, Std. Dev.=124, n=14. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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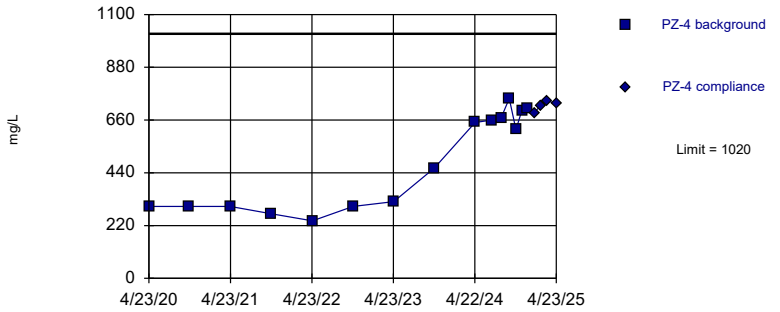
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=483.3, Std. Dev.=197.9, n=15. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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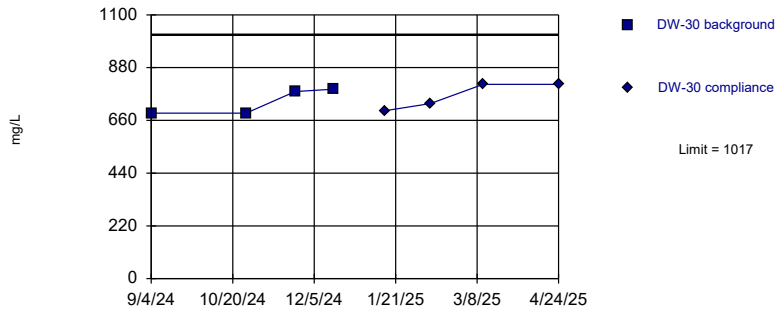
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=737.5, Std. Dev.=55, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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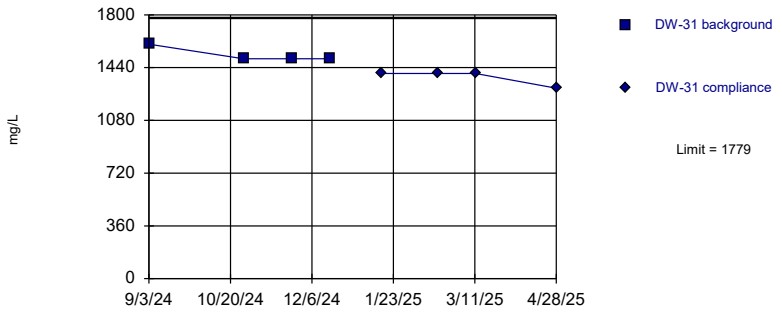
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1525, Std. Dev.=50, n=4. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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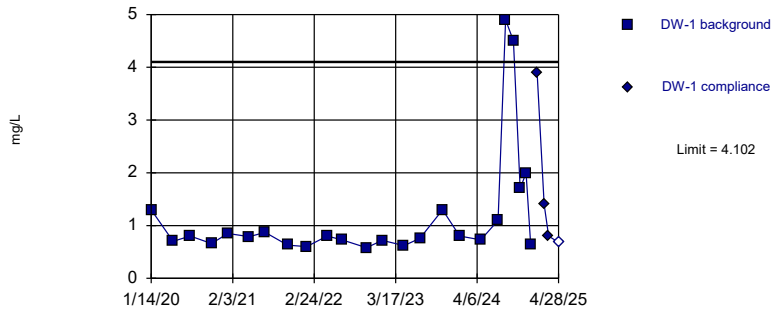
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.211, Std. Dev.=1.133, n=24. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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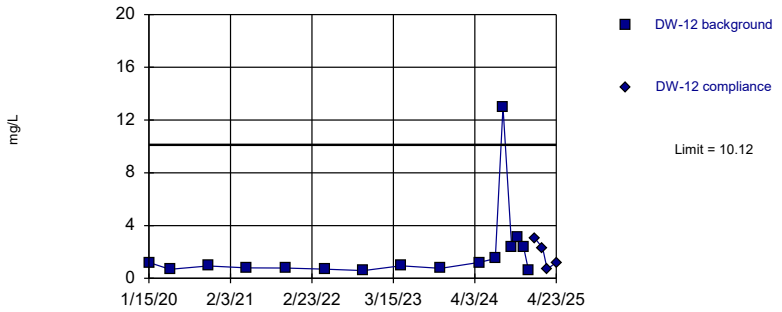
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.975, Std. Dev.=3.034, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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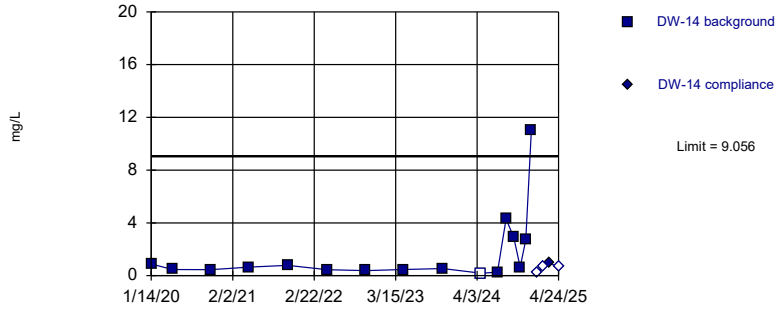
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.69, Std. Dev.=2.746, n=16, 6.25% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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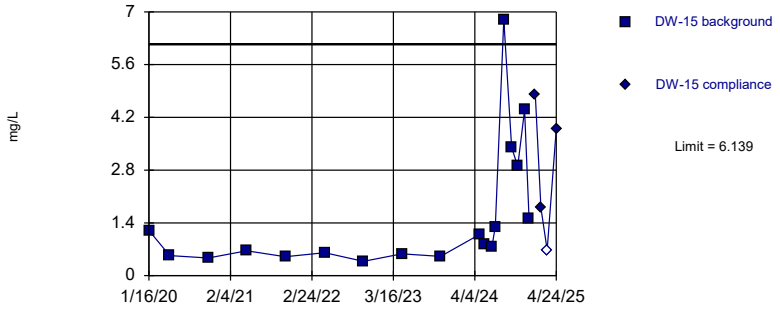
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.58, Std. Dev.=1.729, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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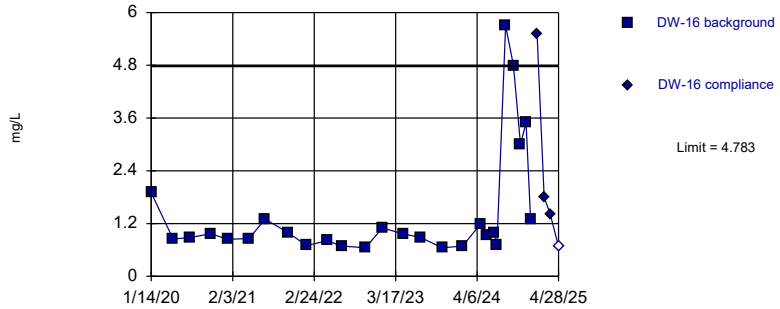
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.457, Std. Dev.=1.314, n=26. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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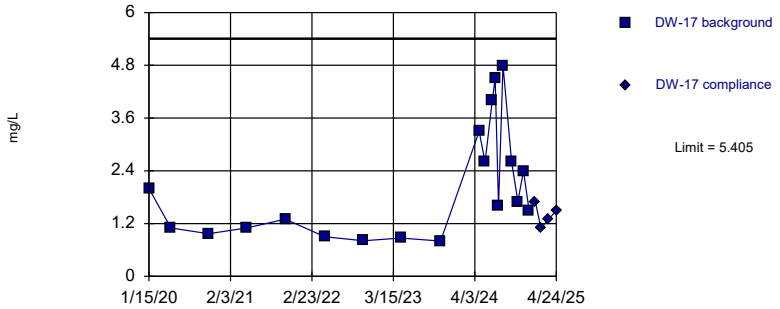
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2.045, Std. Dev.=1.283, n=19. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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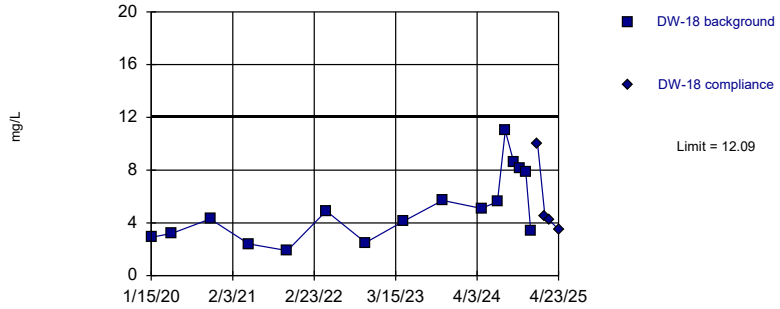
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=5.1, Std. Dev.=2.605, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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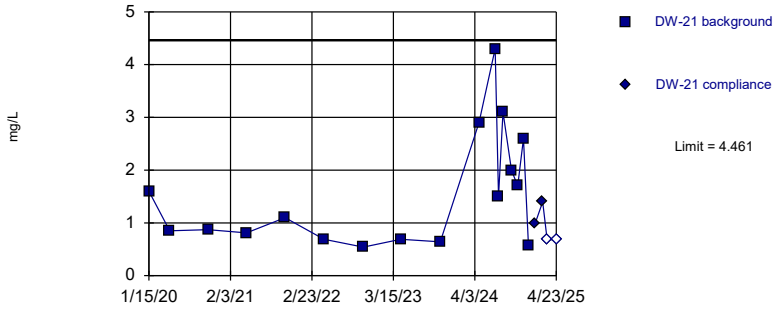
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.557, Std. Dev.=1.092, n=17. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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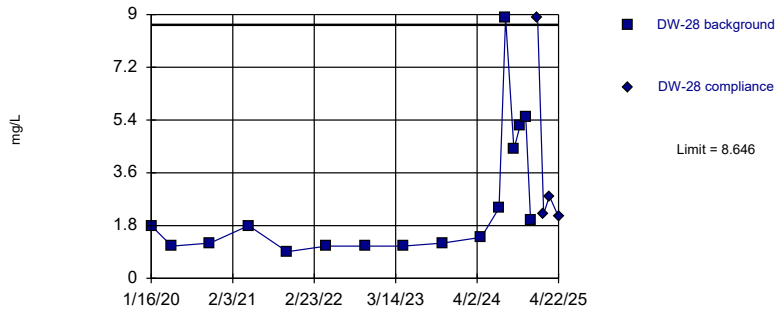
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2.569, Std. Dev.=2.265, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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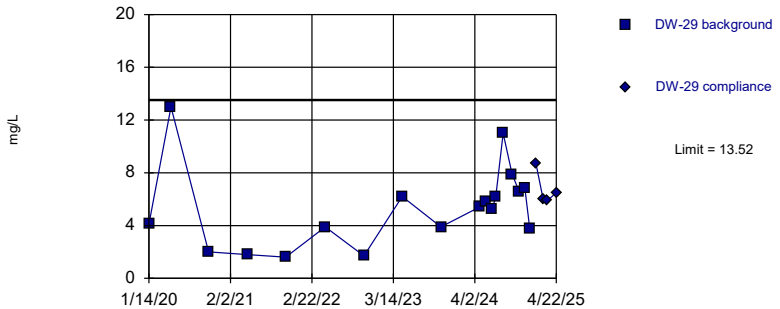
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=5.389, Std. Dev.=3.083, n=18. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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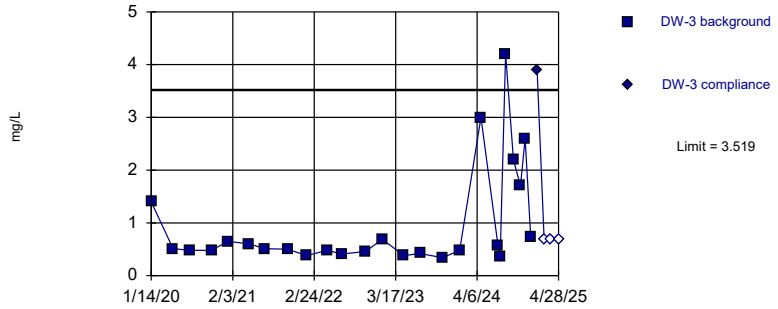
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=0.9808, Std. Dev.=0.9987, n=25. Seasonality was not detected with 95% confidence. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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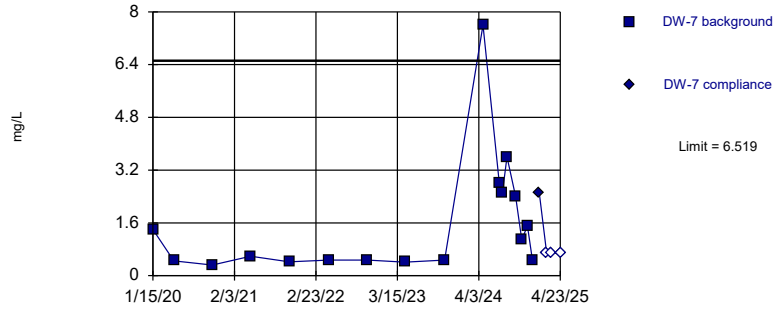
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=1.586, Std. Dev.=1.855, n=17. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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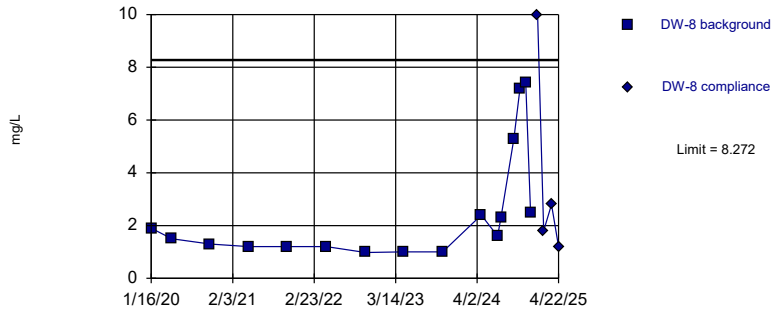
Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=2.499, Std. Dev.=2.152, n=16. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

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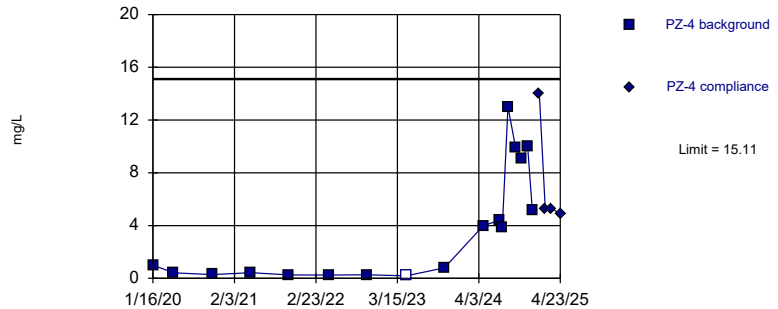
Hollow symbols indicate censored values.

Within Limit

## Prediction Limit

Intrawell Parametric




Background Data Summary: Mean=3.729, Std. Dev.=4.282, n=17, 5.882% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test was disabled. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Organic Carbon Analysis Run 6/29/2025 2:27 PM View: Stat analysis
Chiquita Canyon LF Client: Chiquita Canyon LF Data: Stat file inorg MP2019

# APPENDIX D

# LABORATORY ANALYTICAL REPORTS

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 523838
Report Level : II
Report Date : 01/27/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 523838<br>GW MONITORING<br>Chiquita Canyon Landfill<br>01/13/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-28 | 523838-001 | 01/13/25 09:19 | Water |
| DW-8 | 523838-002 | 01/13/25 10:38 | Water |
| DW-9 | 523838-003 | 01/13/25 11:54 | Water |
| QCFB | 523838-004 | 01/13/25 09:22 | Water |
| QCTB | 523838-005 | 01/13/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 523838<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill<br>Date Received: 01/13/25 |

This data package contains sample and QC results for five water samples, requested for the above referenced project on 01/13/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recovery was observed for MTBE in the MSD for batch 360199; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits.
- Low surrogate recovery was observed for 1,2-dichloroethane-d4 in the MS for batch 360199; the parent sample was not a project sample.
- 1,2,4-trichlorobenzene was detected between the MDL and the RL in the method blank for batch 360199; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**

- High recovery was observed for total organic carbon in the MS of DW-28 (lab # 523838-001); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for nitrogen, nitrate and sulfate in the MS/MSD for batch 360189; affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**

McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

JR12 HRH 2.1.12.3

# ENTHALPY ANALYTICAL

**Chain of Custody Record**

Lab No: 523838

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-28 | 1/13/25 | 919 | W | 13 | var. | X | X | X | X | X | X | X | X | X | |
| 2 | DW-8 | " | 1038 | " | " | " | X | X | X | X | X | X | X | X | X | |
| 3 | DW-9 | " | 1154 | " | ↓ | " | X | X | X | X | X | X | X | X | X | |
| 4 | QCFB | ↓ | 922 | " | 3 | " | X | | | | | | | | | |
| 5 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

**Quarterly MPars**

**cc report to:**
**pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 1/13/25 1320 |
| [1] Received By: | | Hrag B. | EA-NH | 1/13/25 1320 |
| [2] Relinquished By: | | Hrag B. | EA-NH | 1/13/25 1630 |
| [2] Received By: | | Brandon T | EA | 1.13.25 1630 |
| [3] Relinquished By: | | Brandon T | EA | 1.13.25 1700 |
| [3] Received By: | | Annalaura Sicilliano | EA | 1/13/25 1700 |

## SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 1/13/25 WO# 523838 Client: Waste Connections

ENTHALPY

**Section 2: Shipping / Custody** **Are custody seals present?** ☑ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☑ Yes ☐ No ☐ On cooler / box ☑ On samples

Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/13/25 By (initials) Brandon Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR12 CF: +0.2

Cooler Temp (°C) #1: 2.1 / 2.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____ AES 1/13/25

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** 1/13/25 **By (print)** AES **(sign)** _____

**Date Labeled** 1/13/25 **By (print)** Brandon **(sign)** _____

## Zach Barker

**From:** Paul Chang <pchang@changenvironmental.com>
**Sent:** Friday, January 24, 2025 12:44 PM
**To:** Zach Barker
**Cc:** Mark Ellis
**Subject:** [External] - Re: 523838 - McCampbell Missed CO2 Hold Time

Yes, have them analyzed.

On Fri, Jan 24, 2025, 11:52 AM Zach Barker <Zach.barker@enthalpy.com> wrote:

> Hi Paul,
>
> I regret to inform you that McCampbell advised me this morning that they missed hold time for RSK-175 CO2 for wells DW-28, DW-8 and DW-9. These samples were collected on 1/13 and were at McCampbell by 1/15, meaning they had 5 days of hold time left once received. I've attached their email notification and the sub COC describing the sample date and receipt date at McCampbell.
>
> Please advise if would like me to have them proceed with analysis out of hold time.
>
> I'm sorry about this and the problems it causes on your end. Let me know if you have any questions.
>
> Thanks,
>
> **Zach Barker**
> Project Manager
>
> Enthalpy Analytical
>
> 931 W Barkley Ave. | Orange, CA 92868
>
> Office: +1-714-771-6900 Ext. 10341 | Mobile: +1-445-220-0261
>
> zach.barker@enthalpy.com |enthalpy.com
>
> Terms and Conditions

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---------- Forwarded message ----------
From: Jennifer Lagerbom <jennifer@mccampbell.com>
To: Zach Barker <Zach.barker@enthalpy.com>, Tracy Babjar <tracy.babjar@mccampbell.com>
Cc: "alabs-incomingreports@montrose-env.com" <alabs-incomingreports@montrose-env.com>, "Mccampbell Analytical, Inc." <main@mccampbell.com>
Bcc:
Date: Fri, 24 Jan 2025 19:38:47 +0000
Subject: [External] - RE: Status Update for Project: EO-523838 [MAI WO#: 2501781]

Zach

I am following up to see if you still would like this RSK data reported since the hold time was missed. I apologize that we didn't inform you sooner.

Best regards,

Jennifer Lagerbom

Project Manager

McCampbell Analytical Inc.

925.252.9262 ext. 254

---

**From:** Tracy Babjar <tracy.babjar@mccampbell.com>
**Sent:** Thursday, January 23, 2025 6:07 PM
**To:** zach.barker@enthalpy.com
**Cc:** incomingreports@enthalpy.com; Mccampbell Analytical, Inc. <main@mccampbell.com>
**Subject:** Status Update for Project: EO-523838 [MAI WO#: 2501781]

Zach,

We regret to inform you that we are unable to finalize this report today.

Best regards,

*Tracy Babjar*
McCampbell Analytical, Inc.
1534 Willow Pass Road
Pittsburg, CA 94565
877-252-9262 (toll free)
925-252-9262 (phone) ext.: 275
main@mccampbell.com
www.mccampbell.com
***My typical hours are 10:00 AM - 7:00 PM***
*Please forward to main@mccampbell.com if a response is needed outside of my listed hours.

****MAI will be closed on Monday, February 17, 2025, in observance of the Presidents' Day Holiday. Please check with us should you have questions about turnaround times &/or testing capabilities during this lab closure.**

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ENTHALPY ANALYTICAL

# Analysis Results for 523838

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 523838
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 01/13/25

**Sample ID: DW-28** **Lab ID: 523838-001** **Collected: 01/13/25 09:19**
**Matrix: Water**

| 523838-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **1.3** | | mg/L | 0.20 | 0.040 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 00:53 | JAA |
| Chloride | **35** | | mg/L | 1.0 | 0.20 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 00:53 | JAA |
| Bromide | **0.18** | J | mg/L | 0.30 | 0.065 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 00:53 | JAA |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.06 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 00:53 | JAA |
| Sulfate | **440** | | mg/L | 10 | 3.4 | 10 | 360189 | 01/13/25 17:30 | 01/14/25 01:13 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360236 | 01/14/25 | 01/15/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 360490 | 01/16/25 | 01/16/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.3** | | mg/L | 0.050 | 0.0062 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Calcium | **4.6** | | mg/L | 0.57 | 0.57 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Magnesium | **0.79** | | mg/L | 0.10 | 0.025 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Manganese | **0.0037** | J | mg/L | 0.010 | 0.0029 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Potassium | **0.91** | | mg/L | 0.50 | 0.42 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Sodium | **350** | | mg/L | 0.50 | 0.34 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523838

| 523838-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 105% | | %REC | 70-130 | | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523838

| 523838-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 90% | | %REC | 70-130 | | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Bromofluorobenzene | 104% | | %REC | 70-130 | | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360225 | 01/14/25 | 01/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 360225 | 01/14/25 | 01/14/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360364 | 01/15/25 | 01/15/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **8.9** | | mg/L | 1.0 | 0.24 | 1 | 360350 | 01/15/25 | 01/15/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **230** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Alkalinity, Total as CaCO3 | **280** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **990** | | mg/L | 20 | | 2 | 360271 | 01/15/25 | 01/17/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523838

| Sample ID: DW-8 | Lab ID: 523838-002 | Collected: 01/13/25 10:38 |
|---|---|---|
| | Matrix: Water | |

| 523838-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.18** | J | mg/L | 0.20 | 0.040 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 01:34 | JAA |
| Chloride | **67** | | mg/L | 1.0 | 0.20 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 01:34 | JAA |
| Bromide | **0.19** | J | mg/L | 0.30 | 0.065 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 01:34 | JAA |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.06 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 01:34 | JAA |
| Sulfate | **2,800** | | mg/L | 50 | 17 | 50 | 360189 | 01/13/25 17:30 | 01/14/25 01:55 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **1.1** | | mg/L | 0.10 | 0.050 | 1 | 360236 | 01/14/25 | 01/15/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **2.0** | J | mg/L | 4.0 | 1.6 | 1 | 360490 | 01/16/25 | 01/16/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.0** | | mg/L | 0.050 | 0.0062 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Calcium | **350** | | mg/L | 0.57 | 0.57 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Iron | **4.9** | | mg/L | 0.041 | 0.041 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Magnesium | **200** | | mg/L | 0.10 | 0.025 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Manganese | **0.065** | | mg/L | 0.010 | 0.0029 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Potassium | **6.4** | | mg/L | 0.50 | 0.42 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Sodium | **610** | | mg/L | 0.50 | 0.34 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523838

| 523838-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| 1,2-Dichloroethane-d4 | 89% | | %REC | 70-130 | | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |
| Bromofluorobenzene | 104% | | %REC | 70-130 | | 1 | 360199 | 01/14/25 | 01/14/25 | LYZ |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 523838

| 523838-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360225 | 01/14/25 | 01/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 104% | | %REC | 80-120 | | 1 | 360225 | 01/14/25 | 01/14/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360364 | 01/15/25 | 01/15/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **10** | | mg/L | 1.0 | 0.24 | 1 | 360350 | 01/15/25 | 01/15/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **470** | | mg/L | 10 | | 5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Alkalinity, Total as CaCO3 | **470** | | mg/L | 10 | | 5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **4,500** | | mg/L | 20 | | 2 | 360271 | 01/15/25 | 01/17/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523838

| Sample ID: DW-9 | Lab ID: 523838-003 | Collected: 01/13/25 11:54 |
|---|---|---|
| | Matrix: Water | |

| 523838-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **2.1** | | mg/L | 0.20 | 0.040 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 02:16 | JAA |
| Chloride | **82** | | mg/L | 1.0 | 0.20 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 02:16 | JAA |
| Bromide | **0.27** | J | mg/L | 0.30 | 0.065 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 02:16 | JAA |
| Nitrogen, Nitrate | **1.9** | | mg/L | 0.10 | 0.06 | 1 | 360189 | 01/13/25 17:30 | 01/14/25 02:16 | JAA |
| Sulfate | **670** | | mg/L | 10 | 3.4 | 10 | 360189 | 01/13/25 17:30 | 01/14/25 02:37 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360236 | 01/14/25 | 01/15/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **2.0** | J | mg/L | 4.0 | 1.6 | 1 | 360490 | 01/16/25 | 01/16/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.61** | | mg/L | 0.050 | 0.0062 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Calcium | **21** | | mg/L | 0.57 | 0.57 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Magnesium | **2.2** | | mg/L | 0.10 | 0.025 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Potassium | **1.4** | | mg/L | 0.50 | 0.42 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Sodium | **380** | | mg/L | 0.50 | 0.34 | 1 | 360212 | 01/14/25 | 01/14/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523838

| 523838-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichloroethane-d4 | 96% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 523838

| 523838-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360225 | 01/14/25 | 01/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 105% | | %REC | 80-120 | | 1 | 360225 | 01/14/25 | 01/14/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360364 | 01/15/25 | 01/15/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **4.3** | | mg/L | 1.0 | 0.24 | 1 | 360350 | 01/15/25 | 01/15/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **240** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Alkalinity, Total as CaCO3 | **240** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,200** | | mg/L | 20 | | 2 | 360271 | 01/15/25 | 01/17/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523838

| Sample ID: QCFB | Lab ID: 523838-004 | Collected: 01/13/25 09:22 |
|---|---|---|
| | Matrix: Water | |

| 523838-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523838

| 523838-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Toluene-d8 | 97% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523838

| Sample ID: QCTB | Lab ID: 523838-005 | Collected: 01/13/25 |
|---|---|---|
| | Matrix: Water | |

| 523838-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523838

| 523838-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Toluene-d8 | 97% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 360206 | 01/14/25 | 01/14/25 | TCN |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1219583** | **Batch:** | **360189** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1219583 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.040 | 01/13/25 17:30 | 01/13/25 19:18 |
| Chloride | ND | | mg/L | 1.0 | 0.20 | 01/13/25 17:30 | 01/13/25 19:18 |
| Bromide | ND | | mg/L | 0.30 | 0.065 | 01/13/25 17:30 | 01/13/25 19:18 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.06 | 01/13/25 17:30 | 01/13/25 19:18 |
| Sulfate | ND | | mg/L | 1.0 | 0.34 | 01/13/25 17:30 | 01/13/25 19:18 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1219584** | **Batch:** | **360189** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1219584 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.516 | 10.00 | mg/L | 95% | | 90-110 |
| Chloride | 47.42 | 50.00 | mg/L | 95% | | 90-110 |
| Bromide | 14.84 | 15.00 | mg/L | 99% | | 90-110 |
| Nitrogen, Nitrate | 4.438 | 4.518 | mg/L | 98% | | 90-110 |
| Sulfate | 24.43 | 25.00 | mg/L | 98% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1219585** | **Batch:** | **360189** |
| **Matrix (Source ID):** | **Water (523855-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1219585 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.72 | 0.06396 | 20.00 | mg/L | 98% | | 80-120 | 1 |
| Chloride | 474.6 | 447.0 | 100.0 | mg/L | 28% | E,NM | 80-120 | 1 |
| Bromide | 15.99 | 1.331 | 15.00 | mg/L | 98% | | 80-120 | 1 |
| Nitrogen, Nitrate | 19.87 | 11.56 | 9.036 | mg/L | 92% | E | 80-120 | 1 |
| Sulfate | 147.8 | 104.7 | 50.00 | mg/L | 86% | E | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1219586** | **Batch:** | **360189** |
| **Matrix (Source ID):** | **Water (523855-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1219586 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.75 | 0.06396 | 20.00 | mg/L | 98% | | 80-120 | 0 | 20 | 1 |
| Chloride | 475.7 | 447.0 | 100.0 | mg/L | 29% | E,NM | 80-120 | | 20 | 1 |
| Bromide | 16.41 | 1.331 | 15.00 | mg/L | 100% | | 80-120 | 3 | 20 | 1 |
| Nitrogen, Nitrate | 20.07 | 11.56 | 9.036 | mg/L | 94% | E | 80-120 | | 20 | 1 |
| Sulfate | 151.4 | 104.7 | 50.00 | mg/L | 93% | E | 80-120 | | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1219739** | **Batch:** | **360236** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1219739 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9923 | 1.000 | mg/L | 99% | | 90-110 |

ENTHALPY ANALYTICAL

# Batch QC

**Type: Blank** **Lab ID: QC1219740** **Batch: 360236**
**Matrix: Water** **Method: EPA 350.1** **Prep Method: METHOD**

| QC1219740 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 01/14/25 | 01/15/25 |

**Type: Matrix Spike** **Lab ID: QC1219741** **Batch: 360236**
**Matrix (Source ID): Water (523840-005)** **Method: EPA 350.1** **Prep Method: METHOD**

| QC1219741 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9678 | ND | 1.000 | mg/L | 97% | | 90-110 | 1 |

**Type: Matrix Spike Duplicate** **Lab ID: QC1219742** **Batch: 360236**
**Matrix (Source ID): Water (523840-005)** **Method: EPA 350.1** **Prep Method: METHOD**

| QC1219742 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.055 | ND | 1.000 | mg/L | 105% | | 90-110 | 9 | 20 | 1 |

**Type: Blank** **Lab ID: QC1220518** **Batch: 360490**
**Matrix: Water** **Method: EPA 410.4** **Prep Method: METHOD**

| QC1220518 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 01/16/25 | 01/16/25 |

**Type: Lab Control Sample** **Lab ID: QC1220519** **Batch: 360490**
**Matrix: Water** **Method: EPA 410.4** **Prep Method: METHOD**

| QC1220519 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 104.0 | 100.0 | mg/L | 104% | | 90-110 |

**Type: Matrix Spike** **Lab ID: QC1220520** **Batch: 360490**
**Matrix (Source ID): Water (523838-001)** **Method: EPA 410.4** **Prep Method: METHOD**

| QC1220520 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 106.0 | ND | 100.0 | mg/L | 105% | | 77-120 | 2 |

**Type: Matrix Spike Duplicate** **Lab ID: QC1220521** **Batch: 360490**
**Matrix (Source ID): Water (523838-001)** **Method: EPA 410.4** **Prep Method: METHOD**

| QC1220521 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 108.0 | ND | 100.0 | mg/L | 107% | | 77-120 | 2 | 20 | 2 |

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type: Blank** | **Lab ID: QC1219647** | **Batch: 360212** |
| **Matrix: Water** | **Method: EPA 6010B** | **Prep Method: EPA 3015A** |

| QC1219647 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0062 | 01/14/25 | 01/14/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 01/14/25 | 01/14/25 |
| Iron | ND | | mg/L | 0.041 | 0.041 | 01/14/25 | 01/14/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 01/14/25 | 01/14/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 01/14/25 | 01/14/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 01/14/25 | 01/14/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 01/14/25 | 01/14/25 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1219648** | **Batch: 360212** |
| **Matrix: Water** | **Method: EPA 6010B** | **Prep Method: EPA 3015A** |

| QC1219648 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3410 | 0.4000 | mg/L | 85% | | 80-120 |
| Calcium | 18.56 | 20.40 | mg/L | 91% | | 80-120 |
| Iron | 0.3515 | 0.4000 | mg/L | 88% | | 80-120 |
| Magnesium | 18.63 | 20.40 | mg/L | 91% | | 80-120 |
| Manganese | 0.3574 | 0.4000 | mg/L | 89% | | 80-120 |
| Potassium | 21.28 | 24.00 | mg/L | 89% | | 80-120 |
| Sodium | 18.18 | 20.40 | mg/L | 89% | | 80-120 |

| | | |
|---|---|---|
| **Type: Matrix Spike** | **Lab ID: QC1219653** | **Batch: 360212** |
| **Matrix (Source ID): Water (523838-001)** | **Method: EPA 6010B** | **Prep Method: EPA 3015A** |

| QC1219653 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 1.679 | 1.336 | 0.4000 | mg/L | 86% | | 75-125 | 1 |
| Calcium | 22.72 | 4.607 | 20.40 | mg/L | 89% | | 75-125 | 1 |
| Iron | 0.3548 | ND | 0.4000 | mg/L | 89% | | 75-125 | 1 |
| Magnesium | 18.99 | 0.7880 | 20.40 | mg/L | 89% | | 75-125 | 1 |
| Manganese | 0.3784 | 0.003707 | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Potassium | 22.44 | 0.9066 | 24.00 | mg/L | 90% | | 75-125 | 1 |
| Sodium | 361.1 | 347.9 | 20.40 | mg/L | 65% | NM | 75-125 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1219654** | **Batch:** | **360212** |
| **Matrix (Source ID):** | **Water (523838-001)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1219654 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 1.680 | 1.336 | 0.4000 | mg/L | 86% | | 75-125 | 0 | 20 | 1 |
| Calcium | 23.05 | 4.607 | 20.40 | mg/L | 90% | | 75-125 | 1 | 20 | 1 |
| Iron | 0.3654 | ND | 0.4000 | mg/L | 91% | | 75-125 | 3 | 20 | 1 |
| Magnesium | 19.33 | 0.7880 | 20.40 | mg/L | 91% | | 75-125 | 2 | 20 | 1 |
| Manganese | 0.3601 | 0.003707 | 0.4000 | mg/L | 89% | | 75-125 | 5 | 20 | 1 |
| Potassium | 22.86 | 0.9066 | 24.00 | mg/L | 91% | | 75-125 | 2 | 20 | 1 |
| Sodium | 360.4 | 347.9 | 20.40 | mg/L | 62% | NM | 75-125 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1219599** | **Batch:** | **360199** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1219599 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 43.25 | 50.00 | ug/L | 87% | | 70-135 |
| MTBE | 41.98 | 50.00 | ug/L | 84% | | 70-130 |
| Benzene | 48.88 | 50.00 | ug/L | 98% | | 70-130 |
| Trichloroethene | 53.51 | 50.00 | ug/L | 107% | | 70-130 |
| Toluene | 49.89 | 50.00 | ug/L | 100% | | 70-130 |
| Chlorobenzene | 50.50 | 50.00 | ug/L | 101% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 49.07 | 50.00 | ug/L | 98% | | 70-130 |
| 1,2-Dichloroethane-d4 | 42.42 | 50.00 | ug/L | 85% | | 70-130 |
| Toluene-d8 | 50.42 | 50.00 | ug/L | 101% | | 70-130 |
| Bromofluorobenzene | 51.44 | 50.00 | ug/L | 103% | | 70-130 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1219600** | **Batch:** | **360199** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1219600 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 38.68 | 50.00 | ug/L | 77% | | 70-135 | 11 | 30 |
| MTBE | 36.21 | 50.00 | ug/L | 72% | | 70-130 | 15 | 30 |
| Benzene | 44.37 | 50.00 | ug/L | 89% | | 70-130 | 10 | 30 |
| Trichloroethene | 49.52 | 50.00 | ug/L | 99% | | 70-130 | 8 | 30 |
| Toluene | 45.66 | 50.00 | ug/L | 91% | | 70-130 | 9 | 30 |
| Chlorobenzene | 46.20 | 50.00 | ug/L | 92% | | 70-130 | 9 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 48.26 | 50.00 | ug/L | 97% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 39.80 | 50.00 | ug/L | 80% | | 70-130 | | |
| Toluene-d8 | 51.01 | 50.00 | ug/L | 102% | | 70-130 | | |
| Bromofluorobenzene | 51.09 | 50.00 | ug/L | 102% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1219601 | **Batch:** 360199 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1219601 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 01/14/25 | 01/14/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Acetone | ND | | ug/L | 100 | 44 | 01/14/25 | 01/14/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 01/14/25 | 01/14/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 01/14/25 | 01/14/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 01/14/25 | 01/14/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 01/14/25 | 01/14/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 01/14/25 | 01/14/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 01/14/25 | 01/14/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 01/14/25 | 01/14/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 01/14/25 | 01/14/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |

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# Batch QC

| QC1219601 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 01/14/25 | 01/14/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 01/14/25 | 01/14/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 01/14/25 | 01/14/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 01/14/25 | 01/14/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 01/14/25 | 01/14/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 01/14/25 | 01/14/25 |
| 1,2,4-Trichlorobenzene | 0.3 | J | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 01/14/25 | 01/14/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 01/14/25 | 01/14/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 01/14/25 | 01/14/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 01/14/25 | 01/14/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 01/14/25 | 01/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 01/14/25 | 01/14/25 |
| 1,2-Dichloroethane-d4 | 85% | | %REC | 70-130 | | 01/14/25 | 01/14/25 |
| Toluene-d8 | 101% | | %REC | 70-130 | | 01/14/25 | 01/14/25 |
| Bromofluorobenzene | 105% | | %REC | 70-130 | | 01/14/25 | 01/14/25 |

**Type:** Matrix Spike **Lab ID:** QC1219602 **Batch:** 360199
**Matrix (Source ID):** Water (523842-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1219602 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 42.99 | 0.5942 | 50.00 | ug/L | 85% | | 70-130 | 1 |
| MTBE | 42.10 | ND | 50.00 | ug/L | 84% | | 75-130 | 1 |
| Benzene | 44.20 | ND | 50.00 | ug/L | 88% | | 70-130 | 1 |
| Trichloroethene | 842.1 | 887.4 | 50.00 | ug/L | -91% | E,NM | 63-130 | 1 |
| Toluene | 53.27 | ND | 50.00 | ug/L | 107% | | 70-130 | 1 |
| Chlorobenzene | 54.49 | ND | 50.00 | ug/L | 109% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 41.54 | | 50.00 | ug/L | 83% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 34.75 | | 50.00 | ug/L | 69% | * | 70-130 | 1 |
| Toluene-d8 | 49.98 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| Bromofluorobenzene | 51.83 | | 50.00 | ug/L | 104% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1219603 | Batch: | 360199 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523842-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1219603 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 38.34 | 0.5942 | 50.00 | ug/L | 75% | | 70-130 | 11 | 30 | 1 |
| MTBE | 36.13 | ND | 50.00 | ug/L | 72% | * | 75-130 | 15 | 30 | 1 |
| Benzene | 46.95 | ND | 50.00 | ug/L | 94% | | 70-130 | 6 | 30 | 1 |
| Trichloroethene | 710.4 | 887.4 | 50.00 | ug/L | -354% | E,NM | 63-130 | | 30 | 1 |
| Toluene | 46.46 | ND | 50.00 | ug/L | 93% | | 70-130 | 14 | 30 | 1 |
| Chlorobenzene | 47.50 | ND | 50.00 | ug/L | 95% | | 70-130 | 14 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 49.36 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 41.94 | | 50.00 | ug/L | 84% | | 70-130 | | | 1 |
| Toluene-d8 | 49.54 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |
| Bromofluorobenzene | 50.47 | | 50.00 | ug/L | 101% | | 70-130 | | | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1219624 | Batch: | 360206 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1219624 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.01 | 50.00 | ug/L | 98% | | 70-135 |
| MTBE | 45.85 | 50.00 | ug/L | 92% | | 70-130 |
| Benzene | 48.21 | 50.00 | ug/L | 96% | | 70-130 |
| Trichloroethene | 52.61 | 50.00 | ug/L | 105% | | 70-130 |
| Toluene | 48.52 | 50.00 | ug/L | 97% | | 70-130 |
| Chlorobenzene | 48.40 | 50.00 | ug/L | 97% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.35 | 50.00 | ug/L | 103% | | 70-130 |
| 1,2-Dichloroethane-d4 | 47.37 | 50.00 | ug/L | 95% | | 70-130 |
| Toluene-d8 | 50.18 | 50.00 | ug/L | 100% | | 70-130 |
| Bromofluorobenzene | 52.02 | 50.00 | ug/L | 104% | | 70-130 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1219625 | Batch: | 360206 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1219625 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 48.89 | 50.00 | ug/L | 98% | | 70-135 | 0 | 30 |
| MTBE | 47.48 | 50.00 | ug/L | 95% | | 70-130 | 4 | 30 |
| Benzene | 48.31 | 50.00 | ug/L | 97% | | 70-130 | 0 | 30 |
| Trichloroethene | 51.61 | 50.00 | ug/L | 103% | | 70-130 | 2 | 30 |
| Toluene | 48.36 | 50.00 | ug/L | 97% | | 70-130 | 0 | 30 |
| Chlorobenzene | 47.97 | 50.00 | ug/L | 96% | | 70-130 | 1 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.19 | 50.00 | ug/L | 102% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 47.36 | 50.00 | ug/L | 95% | | 70-130 | | |
| Toluene-d8 | 49.73 | 50.00 | ug/L | 99% | | 70-130 | | |
| Bromofluorobenzene | 51.61 | 50.00 | ug/L | 103% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1219629** | **Batch:** | **360206** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1219629 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 01/14/25 | 01/14/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 01/14/25 | 01/14/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 01/14/25 | 01/14/25 |
| Acetone | ND | | ug/L | 100 | 21 | 01/14/25 | 01/14/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 01/14/25 | 01/14/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 01/14/25 | 01/14/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 01/14/25 | 01/14/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 01/14/25 | 01/14/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 01/14/25 | 01/14/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 01/14/25 | 01/14/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 01/14/25 | 01/14/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 01/14/25 | 01/14/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 01/14/25 | 01/14/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 01/14/25 | 01/14/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 01/14/25 | 01/14/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 01/14/25 | 01/14/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 01/14/25 | 01/14/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |

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# Batch QC

| QC1219629 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 01/14/25 | 01/14/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 01/14/25 | 01/14/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/14/25 | 01/14/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 01/14/25 | 01/14/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 01/14/25 | 01/14/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 01/14/25 | 01/14/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 01/14/25 | 01/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 01/14/25 | 01/14/25 |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 01/14/25 | 01/14/25 |
| Toluene-d8 | 97% | | %REC | 70-130 | | 01/14/25 | 01/14/25 |
| Bromofluorobenzene | 103% | | %REC | 70-130 | | 01/14/25 | 01/14/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1219701** | **Batch:** | **360206** |
| **Matrix (Source ID):** | **Water (523838-003)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1219701 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46.57 | ND | 50.00 | ug/L | 93% | | 70-130 | 1 |
| MTBE | 41.88 | ND | 50.00 | ug/L | 84% | | 75-130 | 1 |
| Benzene | 46.72 | ND | 50.00 | ug/L | 93% | | 70-130 | 1 |
| Trichloroethene | 50.27 | ND | 50.00 | ug/L | 101% | | 63-130 | 1 |
| Toluene | 46.53 | ND | 50.00 | ug/L | 93% | | 70-130 | 1 |
| Chlorobenzene | 46.15 | ND | 50.00 | ug/L | 92% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.77 | | 50.00 | ug/L | 104% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 47.24 | | 50.00 | ug/L | 94% | | 70-130 | 1 |
| Toluene-d8 | 49.74 | | 50.00 | ug/L | 99% | | 70-130 | 1 |
| Bromofluorobenzene | 51.73 | | 50.00 | ug/L | 103% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1219702 | Batch: | 360206 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523838-003) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1219702 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.54 | ND | 50.00 | ug/L | 99% | | 70-130 | 6 | 30 | 1 |
| MTBE | 46.26 | ND | 50.00 | ug/L | 93% | | 75-130 | 10 | 30 | 1 |
| Benzene | 50.29 | ND | 50.00 | ug/L | 101% | | 70-130 | 7 | 30 | 1 |
| Trichloroethene | 52.20 | ND | 50.00 | ug/L | 104% | | 63-130 | 4 | 30 | 1 |
| Toluene | 48.74 | ND | 50.00 | ug/L | 97% | | 70-130 | 5 | 30 | 1 |
| Chlorobenzene | 48.83 | ND | 50.00 | ug/L | 98% | | 70-130 | 6 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 52.86 | | 50.00 | ug/L | 106% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 49.21 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Toluene-d8 | 49.14 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Bromofluorobenzene | 51.84 | | 50.00 | ug/L | 104% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1219711 | Batch: | 360225 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1219711 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 01/14/25 | 01/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 103% | | %REC | 80-120 | | 01/14/25 | 01/14/25 |

| Type: | Lab Control Sample | Lab ID: | QC1219712 | Batch: | 360225 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1219712 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.425 | 10.00 | ug/L | 94% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.78 | 10.00 | ug/L | 108% | | 80-120 |

| Type: | Matrix Spike | Lab ID: | QC1219713 | Batch: | 360225 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523840-005) | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1219713 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.489 | ND | 10.00 | ug/L | 95% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.30 | | 10.00 | ug/L | 103% | | 80-120 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1219714 | Batch: | 360225 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523840-005) | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1219714 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.455 | ND | 10.00 | ug/L | 95% | | 70-130 | 0 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.34 | | 10.00 | ug/L | 103% | | 80-120 | | | 1 |

| Type: | Blank | Lab ID: | QC1220118 | Batch: | 360364 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1220118 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 01/15/25 | 01/15/25 |

| Type: | Lab Control Sample | Lab ID: | QC1220119 | Batch: | 360364 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1220119 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1220120 | Batch: | 360364 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523838-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1220120 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1220121 | Batch: | 360364 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523838-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1220121 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1220072 | Batch: | 360350 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1220072 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.24 | 01/15/25 | 01/15/25 |

| Type: | Lab Control Sample | Lab ID: | QC1220074 | Batch: | 360350 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1220074 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 24.84 | 25.00 | mg/L | 99% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1220076 | Batch: | 360350 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523838-001) | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1220076 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 39.42 | 8.948 | 25.00 | mg/L | 122% | * | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1220077 | Batch: | 360350 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523838-001) | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1220077 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 37.37 | 8.948 | 25.00 | mg/L | 114% | | 80-120 | 5 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1223235 | Batch: | 361290 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1223235 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 01/25/25 | 01/25/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 01/25/25 | 01/25/25 |

| Type: | Lab Control Sample | Lab ID: | QC1223236 | Batch: | 361290 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1223236 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,006 | 1000 | mg/L | 101% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1223237 | Batch: | 361290 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524084-001) | Method: | SM2320B | Prep Method: | METHOD |

| QC1223237 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 331.4 | 327.5 | mg/L | | 1 | 20 | 5 |
| Alkalinity, Total as CaCO3 | 331.4 | 327.5 | mg/L | | 1 | 20 | 5 |

| Type: | Blank | Lab ID: | QC1219833 | Batch: | 360271 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1219833 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 01/15/25 | 01/17/25 |

| Type: | Lab Control Sample | Lab ID: | QC1219861 | Batch: | 360271 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1219861 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,068 | 1000 | mg/L | 107% | | 90-110 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1220194** | **Batch:** | **360271** |
| **Matrix (Source ID):** | **Water (523868-001)** | **Method:** | **SM2540C** | **Prep Method:** | **METHOD** |

| QC1220194 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 666.0 | 676.0 | mg/L | | 1 | 5 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1220195** | **Batch:** | **360271** |
| **Matrix (Source ID):** | **Water (523868-003)** | **Method:** | **SM2540C** | **Prep Method:** | **METHOD** |

| QC1220195 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 818.0 | 790.0 | mg/L | | 3 | 5 | 2 |

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 523838**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

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*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2501781

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 058321
**Project:** EO-523838

**Project Location:**
**Project Received:** 01/15/2025

Analytical Report reviewed & approved for release on 01/24/2025 by:

Yen Cao
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2501781

**Project:** EO-523838

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2501781

**Project:** EO-523838

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| H | Sample was analyzed out of hold time |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2501781 |
| **Date Received:** | 01/15/2025 10:26 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 01/21/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-523838 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-28 | 2501781-001A | Water | 01/13/2025 09:19 | GC26 0121250809.D | 310113 |

| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Carbon Dioxide | **910** | H | 50 | 50 | 1 | 01/21/2025 11:02 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-8 | 2501781-002A | Water | 01/13/2025 10:38 | GC26 0121250810.D | 310113 |

| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Carbon Dioxide | **29,000** | H | 5000 | 5000 | 100 | 01/21/2025 11:39 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-9 | 2501781-003A | Water | 01/13/2025 11:54 | GC26 0121250811.D | 310113 |

| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Carbon Dioxide | **930** | H | 50 | 50 | 1 | 01/21/2025 12:07 |

Analyst(s): PRE

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2501781 |
| **Date Prepared:** | 01/21/2025 | **BatchID:** | 310113 |
| **Date Analyzed:** | 01/21/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-523838 | **Sample ID:** | MB/LCS/LCSD-310113 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 160 | 150 | 187.2 | 88 | 79 | 70-130 | 10.0 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2501781** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 058321
Project: EO-523838

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **01/15/2025**
*Date Logged:* **01/15/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2501781-001 | DW-28 | Water | 1/13/2025 09:19 | ☐ | A | | | | | | | | | | | |
| 2501781-002 | DW-8 | Water | 1/13/2025 10:38 | ☐ | A | | | | | | | | | | | |
| 2501781-003 | DW-9 | Water | 1/13/2025 11:54 | ☐ | A | | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | RSK175_CO2_W | 2 | | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-523838 **Work Order:** 2501781
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 1/15/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-28 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/13/2025 9:19 | 5 days | 1/23/2025 | None | ☐ | ☐ |
| 002A | DW-8 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/13/2025 10:38 | 5 days | 1/23/2025 | None | ☐ | ☐ |
| 003A | DW-9 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/13/2025 11:54 | 5 days | 1/23/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2501781

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-058321

Enthalpy Order: EO-523838
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-28 | 13-JAN-2025 09:19 | 523838-001 | 3 | Water | RSK-175 CO2 | |
| DW-8 | 13-JAN-2025 10:38 | 523838-002 | 3 | Water | RSK-175 CO2 | |
| DW-9 | 13-JAN-2025 11:54 | 523838-003 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Dentzer EA-ORA | |
| | Date: 01/14/25 1500 | Date: |
| | | Emily R |
| | Date: | Date: 01/15/25 10:25 |
| | | |
| | Date: | Date: |

GIS: 562508945 0.4 wet IR30

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-523838

Date and Time Received: 1/15/2025 10:26
Date Logged: 1/15/2025
Received by: Emily Perez
Logged by: Emily Perez

WorkOrder №: 2501781 Matrix: Water
Carrier: Golden State Overnight

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.4°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 523942
Report Level : II
Report Date : 01/30/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 523942<br>GW MONITORING<br>Chiquita Canyon Landfill<br>01/14/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-12 | 523942-001 | 01/14/25 09:13 | Water |
| DW-7 | 523942-002 | 01/14/25 10:15 | Water |
| DW-18 | 523942-003 | 01/14/25 11:17 | Water |
| DW-21 | 523942-004 | 01/14/25 12:02 | Water |
| PZ-4 | 523942-005 | 01/14/25 13:25 | Water |
| QCFB | 523942-006 | 01/14/25 09:15 | Water |
| QCTB | 523942-007 | 01/14/25 00:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 523942<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill<br>Date Received: 01/14/25 |

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 01/15/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**

- High recovery was observed for total organic carbon in the MS of DW-12 (lab # 523942-001); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 523942

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-12 | 1/14/25 | 913 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-7 | | 1015 | | | | X | X | X | X | X | X | X | X | X |
| 3 | DW-18 | | 1117 | | | | X | X | X | X | X | X | X | X | X |
| 4 | DW-21 | | 1202 | | | | X | X | X | X | X | X | X | X | X |
| 5 | PZ-4 | | 1325 | | | | X | X | X | X | X | X | X | X | X |
| 6 | QCFB | | 915 | | 3 | | X | | | | | | | | |
| 7 | QCTB | — | — | | 2 | | X | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

12.4
15.9 IR11 1.6.11-7
IR03

**Quarterly MPars**

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 1.14.25 1430 |
| [1] Received By: | | Jim Lin | SA · NH | 1.14.25 1430 |
| [2] Relinquished By: | | Jim Lin | SA · NH | 1.15.25 0830 |
| [2] Received By: | | Hrag B. | EA-NH | 1/15/25 0830 |
| [3] Relinquished By: | | Hrag B. | EA-NH | 1/15/25 1553 |
| [3] Received By: | | Brandon F | EA | 1/15/25 1640 |
| Relinquished | | Brandon F | EA | 1-15-25 1640 |
| Rec: | Acrylic | Adam Dinkmeyer | EA | 1/15/25 1640 |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 1.14.25 WO# _____ Client: Chiquita Canyon LF

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1.14.25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: _____ CF: _____

Cooler Temp (°C) #1: 12.4 / _____ #2: 15.9 / _____ #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

**Section 3b: Microbiology Samples** ☐ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☐ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 1/15/25 WO# 523942 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/15/25 By (initials) BDT Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 1.6 / 1.7 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** 1/14/25 **By (print)** AES **(sign)** _____

**Date Labeled** 1/15/25 **By (print)** EA - OR **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 523942

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 523942
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 01/14/25

**Sample ID: DW-12** **Lab ID: 523942-001** **Collected: 01/14/25 09:13**
**Matrix: Water**

| 523942-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.57** | | mg/L | 0.20 | 0.040 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 20:58 | JAA |
| Chloride | **190** | | mg/L | 1.0 | 0.20 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 20:58 | JAA |
| Bromide | **0.75** | | mg/L | 0.30 | 0.065 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 20:58 | JAA |
| Nitrogen, Nitrate | **3.4** | | mg/L | 0.10 | 0.06 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 20:58 | JAA |
| Sulfate | **300** | | mg/L | 10 | 3.4 | 10 | 360383 | 01/15/25 13:00 | 01/15/25 21:19 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360689 | 01/18/25 | 01/22/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **3.0** | J | mg/L | 4.0 | 1.6 | 1 | 360490 | 01/16/25 | 01/16/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.22** | | mg/L | 0.050 | 0.0062 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Calcium | **24** | | mg/L | 0.57 | 0.57 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Iron | **0.13** | | mg/L | 0.041 | 0.041 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Magnesium | **2.9** | | mg/L | 0.10 | 0.025 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Manganese | **0.0050** | J | mg/L | 0.010 | 0.0029 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Potassium | **1.9** | | mg/L | 0.50 | 0.42 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Sodium | **270** | | mg/L | 0.50 | 0.34 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| 523942-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 114% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| 523942-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 93% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Toluene-d8 | 91% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | TCN |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360458 | 01/16/25 | 01/17/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 360458 | 01/16/25 | 01/17/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360588 | 01/17/25 | 01/17/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **3.0** | | mg/L | 1.0 | 0.24 | 1 | 360506 | 01/16/25 | 01/17/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **170** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Alkalinity, Total as CaCO3 | **170** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **840** | | mg/L | 20 | | 2 | 360699 | 01/18/25 | 01/21/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| Sample ID: DW-7 | Lab ID: 523942-002 | Collected: 01/14/25 10:15 |
|---|---|---|
| | Matrix: Water | |

| 523942-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.16** | J | mg/L | 0.20 | 0.040 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 21:40 | JAA |
| Chloride | **81** | | mg/L | 1.0 | 0.20 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 21:40 | JAA |
| Bromide | **0.18** | J | mg/L | 0.30 | 0.065 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 21:40 | JAA |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.06 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 21:40 | JAA |
| Sulfate | **620** | | mg/L | 10 | 3.4 | 10 | 360383 | 01/15/25 13:00 | 01/15/25 22:42 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360689 | 01/18/25 | 01/22/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 360490 | 01/16/25 | 01/16/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.17** | | mg/L | 0.050 | 0.0062 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Calcium | **33** | | mg/L | 0.57 | 0.57 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Magnesium | **1.6** | | mg/L | 0.10 | 0.025 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Potassium | **1.3** | | mg/L | 0.50 | 0.42 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Sodium | **320** | | mg/L | 0.50 | 0.34 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| 523942-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Toluene-d8 | 103% | | %REC | 70-130 | | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 360826 | 01/21/25 | 01/21/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 523942

| 523942-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360458 | 01/16/25 | 01/17/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 103% | | %REC | 80-120 | | 1 | 360458 | 01/16/25 | 01/17/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360588 | 01/17/25 | 01/17/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **2.5** | | mg/L | 1.0 | 0.24 | 1 | 360506 | 01/16/25 | 01/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **130** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Alkalinity, Total as CaCO3 | **130** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,100** | | mg/L | 20 | | 2 | 360699 | 01/18/25 | 01/21/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| Sample ID: DW-18 | Lab ID: 523942-003 | Collected: 01/14/25 11:17 |
|---|---|---|
| | Matrix: Water | |

| 523942-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.23** | | mg/L | 0.20 | 0.040 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 23:03 | JAA |
| Chloride | **110** | | mg/L | 1.0 | 0.20 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 23:03 | JAA |
| Bromide | **0.32** | | mg/L | 0.30 | 0.065 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 23:03 | JAA |
| Nitrogen, Nitrate | **3.1** | | mg/L | 0.10 | 0.06 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 23:03 | JAA |
| Sulfate | **330** | | mg/L | 10 | 3.4 | 10 | 360383 | 01/15/25 13:00 | 01/15/25 23:24 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360689 | 01/18/25 | 01/22/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **10** | | mg/L | 4.0 | 1.6 | 1 | 360490 | 01/16/25 | 01/16/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.38** | | mg/L | 0.050 | 0.0062 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Calcium | **27** | | mg/L | 0.57 | 0.57 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Magnesium | **2.2** | | mg/L | 0.10 | 0.025 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Potassium | **1.7** | | mg/L | 0.50 | 0.42 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Sodium | **290** | | mg/L | 0.50 | 0.34 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| 523942-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 360826 | 01/21/25 | 01/21/25 | LYZ |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 523942

| 523942-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360458 | 01/16/25 | 01/17/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 360458 | 01/16/25 | 01/17/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360588 | 01/17/25 | 01/17/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **10** | | mg/L | 1.0 | 0.24 | 1 | 360506 | 01/16/25 | 01/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **340** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Alkalinity, Total as CaCO3 | **340** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **950** | | mg/L | 20 | | 2 | 360699 | 01/18/25 | 01/21/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| Sample ID: DW-21 | Lab ID: 523942-004 | Collected: 01/14/25 12:02 |
|---|---|---|
| | Matrix: Water | |

| 523942-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.79** | | mg/L | 0.20 | 0.040 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 23:45 | JAA |
| Chloride | **54** | | mg/L | 1.0 | 0.20 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 23:45 | JAA |
| Bromide | **0.16** | J | mg/L | 0.30 | 0.065 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 23:45 | JAA |
| Nitrogen, Nitrate | **0.12** | | mg/L | 0.10 | 0.06 | 1 | 360383 | 01/15/25 13:00 | 01/15/25 23:45 | JAA |
| Sulfate | **110** | | mg/L | 10 | 3.4 | 10 | 360383 | 01/15/25 13:00 | 01/16/25 00:06 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360689 | 01/18/25 | 01/22/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **4.0** | | mg/L | 4.0 | 1.6 | 1 | 360490 | 01/16/25 | 01/16/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.27** | | mg/L | 0.050 | 0.0062 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Calcium | **3.7** | | mg/L | 0.57 | 0.57 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Iron | **0.053** | | mg/L | 0.041 | 0.041 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Magnesium | **0.16** | | mg/L | 0.10 | 0.025 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Potassium | **0.50** | | mg/L | 0.50 | 0.42 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Sodium | **140** | | mg/L | 0.50 | 0.34 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| 523942-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 114% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloroethane-d4 | 93% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Toluene-d8 | 90% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 523942

| 523942-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360458 | 01/16/25 | 01/17/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 97% | | %REC | 80-120 | | 1 | 360458 | 01/16/25 | 01/17/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360588 | 01/17/25 | 01/17/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.0** | | mg/L | 1.0 | 0.24 | 1 | 360506 | 01/16/25 | 01/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **140** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Alkalinity, Total as CaCO3 | **170** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **380** | | mg/L | 20 | | 2 | 360699 | 01/18/25 | 01/21/25 | RDL |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 523942

| Sample ID: PZ-4 | Lab ID: 523942-005 | Collected: 01/14/25 13:25 |
|---|---|---|
| | Matrix: Water | |

| 523942-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.55** | | mg/L | 0.20 | 0.040 | 1 | 360383 | 01/15/25 13:00 | 01/16/25 00:27 | JAA |
| Chloride | **61** | | mg/L | 1.0 | 0.20 | 1 | 360383 | 01/15/25 13:00 | 01/16/25 00:27 | JAA |
| Bromide | **0.16** | J | mg/L | 0.30 | 0.065 | 1 | 360383 | 01/15/25 13:00 | 01/16/25 00:27 | JAA |
| Nitrogen, Nitrate | **1.3** | | mg/L | 0.10 | 0.06 | 1 | 360383 | 01/15/25 13:00 | 01/16/25 00:27 | JAA |
| Sulfate | **120** | | mg/L | 10 | 3.4 | 10 | 360383 | 01/15/25 13:00 | 01/16/25 00:48 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360689 | 01/18/25 | 01/22/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **19** | | mg/L | 4.0 | 1.6 | 1 | 360490 | 01/16/25 | 01/16/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.31** | | mg/L | 0.050 | 0.0062 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Calcium | **52** | | mg/L | 0.57 | 0.57 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Magnesium | **9.8** | | mg/L | 0.10 | 0.025 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Potassium | **2.3** | | mg/L | 0.50 | 0.42 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Sodium | **180** | | mg/L | 0.50 | 0.34 | 1 | 360478 | 01/16/25 | 01/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Freon 12 | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| 523942-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 113% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloroethane-d4 | 94% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Toluene-d8 | 90% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 523942

| 523942-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360458 | 01/16/25 | 01/17/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 360458 | 01/16/25 | 01/17/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360588 | 01/17/25 | 01/17/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **14** | | mg/L | 1.0 | 0.24 | 1 | 360506 | 01/16/25 | 01/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **390** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Alkalinity, Total as CaCO3 | **390** | | mg/L | 5.0 | | 2.5 | 361290 | 01/25/25 | 01/25/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **690** | | mg/L | 20 | | 2 | 360699 | 01/18/25 | 01/21/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| Sample ID: QCFB | Lab ID: 523942-006 | Collected: 01/14/25 09:15 |
|---|---|---|
| | Matrix: Water | |

| 523942-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloroform | **0.2** | J | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| 523942-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 112% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloroethane-d4 | 92% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Toluene-d8 | 89% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| Sample ID: QCTB | Lab ID: 523942-007 | Collected: 01/14/25 |
|---|---|---|
| | Matrix: Water | |

| 523942-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chloroform | **0.2** | J | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 523942

| 523942-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 113% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| 1,2-Dichloroethane-d4 | 93% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Toluene-d8 | 91% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 360472 | 01/16/25 | 01/16/25 | EJB |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1220185** | **Batch:** | **360383** |
| **Matrix:** | **Drinking Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220185 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.040 | 01/15/25 13:00 | 01/15/25 14:21 |
| Chloride | ND | | mg/L | 1.0 | 0.20 | 01/15/25 13:00 | 01/15/25 14:21 |
| Bromide | ND | | mg/L | 0.30 | 0.065 | 01/15/25 13:00 | 01/15/25 14:21 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.06 | 01/15/25 13:00 | 01/15/25 14:21 |
| Sulfate | ND | | mg/L | 1.0 | 0.34 | 01/15/25 13:00 | 01/15/25 14:21 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1220186** | **Batch:** | **360383** |
| **Matrix:** | **Drinking Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220186 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.689 | 10.00 | mg/L | 97% | | 90-110 |
| Chloride | 47.53 | 50.00 | mg/L | 95% | | 90-110 |
| Bromide | 14.88 | 15.00 | mg/L | 99% | | 90-110 |
| Nitrogen, Nitrate | 4.439 | 4.518 | mg/L | 98% | | 90-110 |
| Sulfate | 24.46 | 25.00 | mg/L | 98% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1220187** | **Batch:** | **360383** |
| **Matrix (Source ID):** | **Water (523980-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220187 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.16 | 0.4082 | 20.00 | mg/L | 99% | | 80-120 | 1 |
| Chloride | 138.2 | 38.06 | 100.0 | mg/L | 100% | | 80-120 | 1 |
| Bromide | 14.85 | 0.08986 | 15.00 | mg/L | 98% | | 80-120 | 1 |
| Nitrogen, Nitrate | 8.911 | ND | 9.036 | mg/L | 99% | | 80-120 | 1 |
| Sulfate | 52.54 | 3.762 | 50.00 | mg/L | 98% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1220188** | **Batch:** | **360383** |
| **Matrix (Source ID):** | **Water (523980-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220188 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.19 | 0.4082 | 20.00 | mg/L | 99% | | 80-120 | 0 | 20 | 1 |
| Chloride | 138.2 | 38.06 | 100.0 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |
| Bromide | 14.80 | 0.08986 | 15.00 | mg/L | 98% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 8.910 | ND | 9.036 | mg/L | 99% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 52.67 | 3.762 | 50.00 | mg/L | 98% | | 80-120 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1221106** | **Batch:** | **360689** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1221106 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9132 | 1.000 | mg/L | 91% | | 90-110 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1221107 | Batch: 360689 |
|---|---|---|
| Matrix: Water | Method: EPA 350.1 | Prep Method: METHOD |

| QC1221107 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 01/18/25 | 01/22/25 |

| Type: Matrix Spike | Lab ID: QC1222154 | Batch: 360689 |
|---|---|---|
| Matrix (Source ID): Water (523942-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1222154 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9197 | ND | 1.000 | mg/L | 92% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1222155 | Batch: 360689 |
|---|---|---|
| Matrix (Source ID): Water (523942-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1222155 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.006 | ND | 1.000 | mg/L | 101% | | 90-110 | 9 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1222156 | Batch: 360689 |
|---|---|---|
| Matrix (Source ID): Water (523942-002) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1222156 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9953 | ND | 1.000 | mg/L | 100% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1222157 | Batch: 360689 |
|---|---|---|
| Matrix (Source ID): Water (523942-002) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1222157 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.030 | ND | 1.000 | mg/L | 103% | | 90-110 | 3 | 20 | 1 |

| Type: Blank | Lab ID: QC1220518 | Batch: 360490 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1220518 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 01/16/25 | 01/16/25 |

| Type: Lab Control Sample | Lab ID: QC1220519 | Batch: 360490 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1220519 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 104.0 | 100.0 | mg/L | 104% | | 90-110 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1220520 | Batch: | 360490 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523838-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1220520 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 106.0 | ND | 100.0 | mg/L | 105% | | 77-120 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1220521 | Batch: | 360490 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523838-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1220521 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 108.0 | ND | 100.0 | mg/L | 107% | | 77-120 | 2 | 20 | 2 |

| Type: | Blank | Lab ID: | QC1220454 | Batch: | 360478 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1220454 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0062 | 01/16/25 | 01/16/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 01/16/25 | 01/16/25 |
| Iron | ND | | mg/L | 0.041 | 0.041 | 01/16/25 | 01/16/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 01/16/25 | 01/16/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 01/16/25 | 01/16/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 01/16/25 | 01/16/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 01/16/25 | 01/16/25 |

| Type: | Lab Control Sample | Lab ID: | QC1220455 | Batch: | 360478 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1220455 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3581 | 0.4000 | mg/L | 90% | | 80-120 |
| Calcium | 18.54 | 20.40 | mg/L | 91% | | 80-120 |
| Iron | 0.3702 | 0.4000 | mg/L | 93% | | 80-120 |
| Magnesium | 18.16 | 20.40 | mg/L | 89% | | 80-120 |
| Manganese | 0.3601 | 0.4000 | mg/L | 90% | | 80-120 |
| Potassium | 20.83 | 24.00 | mg/L | 87% | | 80-120 |
| Sodium | 18.25 | 20.40 | mg/L | 89% | | 80-120 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1220456** | **Batch:** | **360478** |
| **Matrix (Source ID):** | **Water (523942-001)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1220456 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.5922 | 0.2194 | 0.4000 | mg/L | 93% | | 75-125 | 1 |
| Calcium | 42.22 | 23.93 | 20.40 | mg/L | 90% | | 75-125 | 1 |
| Iron | 0.4854 | 0.1297 | 0.4000 | mg/L | 89% | | 75-125 | 1 |
| Magnesium | 21.15 | 2.879 | 20.40 | mg/L | 90% | | 75-125 | 1 |
| Manganese | 0.3660 | 0.005044 | 0.4000 | mg/L | 90% | | 75-125 | 1 |
| Potassium | 23.64 | 1.925 | 24.00 | mg/L | 90% | | 75-125 | 1 |
| Sodium | 288.8 | 273.9 | 20.40 | mg/L | 73% | NM | 75-125 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1220457** | **Batch:** | **360478** |
| **Matrix (Source ID):** | **Water (523942-001)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1220457 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.5895 | 0.2194 | 0.4000 | mg/L | 93% | | 75-125 | 0 | 20 | 1 |
| Calcium | 42.02 | 23.93 | 20.40 | mg/L | 89% | | 75-125 | 0 | 20 | 1 |
| Iron | 0.4824 | 0.1297 | 0.4000 | mg/L | 88% | | 75-125 | 1 | 20 | 1 |
| Magnesium | 20.98 | 2.879 | 20.40 | mg/L | 89% | | 75-125 | 1 | 20 | 1 |
| Manganese | 0.3649 | 0.005044 | 0.4000 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Potassium | 23.42 | 1.925 | 24.00 | mg/L | 90% | | 75-125 | 1 | 20 | 1 |
| Sodium | 289.4 | 273.9 | 20.40 | mg/L | 76% | NM | 75-125 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1220426** | **Batch:** | **360472** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1220426 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 48.20 | 50.00 | ug/L | 96% | | 70-135 |
| MTBE | 51.77 | 50.00 | ug/L | 104% | | 70-130 |
| Benzene | 51.53 | 50.00 | ug/L | 103% | | 70-130 |
| Trichloroethene | 53.09 | 50.00 | ug/L | 106% | | 70-130 |
| Toluene | 45.53 | 50.00 | ug/L | 91% | | 70-130 |
| Chlorobenzene | 46.99 | 50.00 | ug/L | 94% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 52.00 | 50.00 | ug/L | 104% | | 70-130 |
| 1,2-Dichloroethane-d4 | 44.65 | 50.00 | ug/L | 89% | | 70-130 |
| Toluene-d8 | 46.29 | 50.00 | ug/L | 93% | | 70-130 |
| Bromofluorobenzene | 53.40 | 50.00 | ug/L | 107% | | 70-130 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1220427** | **Batch:** | **360472** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1220427 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 44.88 | 50.00 | ug/L | 90% | | 70-135 | 7 | 30 |
| MTBE | 50.76 | 50.00 | ug/L | 102% | | 70-130 | 2 | 30 |
| Benzene | 48.05 | 50.00 | ug/L | 96% | | 70-130 | 7 | 30 |
| Trichloroethene | 48.61 | 50.00 | ug/L | 97% | | 70-130 | 9 | 30 |
| Toluene | 41.42 | 50.00 | ug/L | 83% | | 70-130 | 9 | 30 |
| Chlorobenzene | 42.83 | 50.00 | ug/L | 86% | | 70-130 | 9 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.11 | 50.00 | ug/L | 106% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 44.31 | 50.00 | ug/L | 89% | | 70-130 | | |
| Toluene-d8 | 46.18 | 50.00 | ug/L | 92% | | 70-130 | | |
| Bromofluorobenzene | 51.61 | 50.00 | ug/L | 103% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1220428** | **Batch:** | **360472** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1220428 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 01/16/25 | 01/16/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 01/16/25 | 01/16/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 01/16/25 | 01/16/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| Acetone | ND | | ug/L | 100 | 16 | 01/16/25 | 01/16/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 01/16/25 | 01/16/25 |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 01/16/25 | 01/16/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 01/16/25 | 01/16/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 01/16/25 | 01/16/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 01/16/25 | 01/16/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 01/16/25 | 01/16/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 01/16/25 | 01/16/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 01/16/25 | 01/16/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 01/16/25 | 01/16/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 01/16/25 | 01/16/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 01/16/25 | 01/16/25 |

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# Batch QC

| QC1220428 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 01/16/25 | 01/16/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 01/16/25 | 01/16/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 01/16/25 | 01/16/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/16/25 | 01/16/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 01/16/25 | 01/16/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 01/16/25 | 01/16/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 01/16/25 | 01/16/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 01/16/25 | 01/16/25 |
| 1,2-Dichloroethane-d4 | 91% | | %REC | 70-130 | | 01/16/25 | 01/16/25 |
| Toluene-d8 | 90% | | %REC | 70-130 | | 01/16/25 | 01/16/25 |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 01/16/25 | 01/16/25 |

**Type:** Matrix Spike **Lab ID:** QC1220643 **Batch:** 360472
**Matrix (Source ID):** Water (523942-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1220643 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 43.53 | ND | 50.00 | ug/L | 87% | | 70-130 | 1 |
| MTBE | 52.46 | ND | 50.00 | ug/L | 105% | | 75-130 | 1 |
| Benzene | 50.60 | ND | 50.00 | ug/L | 101% | | 70-130 | 1 |
| Trichloroethene | 52.68 | ND | 50.00 | ug/L | 105% | | 63-130 | 1 |
| Toluene | 44.93 | ND | 50.00 | ug/L | 90% | | 70-130 | 1 |
| Chlorobenzene | 46.62 | ND | 50.00 | ug/L | 93% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 50.67 | | 50.00 | ug/L | 101% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 43.30 | | 50.00 | ug/L | 87% | | 70-130 | 1 |
| Toluene-d8 | 46.42 | | 50.00 | ug/L | 93% | | 70-130 | 1 |
| Bromofluorobenzene | 51.96 | | 50.00 | ug/L | 104% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1220644 | Batch: | 360472 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523942-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1220644 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 42.90 | ND | 50.00 | ug/L | 86% | | 70-130 | 1 | 30 | 1 |
| MTBE | 51.17 | ND | 50.00 | ug/L | 102% | | 75-130 | 2 | 30 | 1 |
| Benzene | 49.99 | ND | 50.00 | ug/L | 100% | | 70-130 | 1 | 30 | 1 |
| Trichloroethene | 50.54 | ND | 50.00 | ug/L | 101% | | 63-130 | 4 | 30 | 1 |
| Toluene | 43.34 | ND | 50.00 | ug/L | 87% | | 70-130 | 4 | 30 | 1 |
| Chlorobenzene | 45.19 | ND | 50.00 | ug/L | 90% | | 70-130 | 3 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 52.55 | | 50.00 | ug/L | 105% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 44.95 | | 50.00 | ug/L | 90% | | 70-130 | | | 1 |
| Toluene-d8 | 46.35 | | 50.00 | ug/L | 93% | | 70-130 | | | 1 |
| Bromofluorobenzene | 51.90 | | 50.00 | ug/L | 104% | | 70-130 | | | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1221618 | Batch: | 360826 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1221618 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 52.80 | 50.00 | ug/L | 106% | | 70-135 |
| MTBE | 53.67 | 50.00 | ug/L | 107% | | 70-130 |
| Benzene | 53.60 | 50.00 | ug/L | 107% | | 70-130 |
| Trichloroethene | 54.28 | 50.00 | ug/L | 109% | | 70-130 |
| Toluene | 53.24 | 50.00 | ug/L | 106% | | 70-130 |
| Chlorobenzene | 53.59 | 50.00 | ug/L | 107% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 50.31 | 50.00 | ug/L | 101% | | 70-130 |
| 1,2-Dichloroethane-d4 | 50.42 | 50.00 | ug/L | 101% | | 70-130 |
| Toluene-d8 | 50.26 | 50.00 | ug/L | 101% | | 70-130 |
| Bromofluorobenzene | 48.65 | 50.00 | ug/L | 97% | | 70-130 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1221619 | Batch: | 360826 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1221619 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 51.02 | 50.00 | ug/L | 102% | | 70-135 | 3 | 30 |
| MTBE | 51.69 | 50.00 | ug/L | 103% | | 70-130 | 4 | 30 |
| Benzene | 51.41 | 50.00 | ug/L | 103% | | 70-130 | 4 | 30 |
| Trichloroethene | 52.23 | 50.00 | ug/L | 104% | | 70-130 | 4 | 30 |
| Toluene | 50.79 | 50.00 | ug/L | 102% | | 70-130 | 5 | 30 |
| Chlorobenzene | 51.20 | 50.00 | ug/L | 102% | | 70-130 | 5 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 49.29 | 50.00 | ug/L | 99% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 49.87 | 50.00 | ug/L | 100% | | 70-130 | | |
| Toluene-d8 | 50.03 | 50.00 | ug/L | 100% | | 70-130 | | |
| Bromofluorobenzene | 48.82 | 50.00 | ug/L | 98% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1221623 | **Batch:** 360826 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1221623 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 01/21/25 | 01/21/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 01/21/25 | 01/21/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 01/21/25 | 01/21/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 01/21/25 | 01/21/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 01/21/25 | 01/21/25 |
| Acetone | ND | | ug/L | 100 | 21 | 01/21/25 | 01/21/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 01/21/25 | 01/21/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 01/21/25 | 01/21/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 01/21/25 | 01/21/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 01/21/25 | 01/21/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 01/21/25 | 01/21/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 01/21/25 | 01/21/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 01/21/25 | 01/21/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 01/21/25 | 01/21/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 01/21/25 | 01/21/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 01/21/25 | 01/21/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 01/21/25 | 01/21/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 01/21/25 | 01/21/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 01/21/25 | 01/21/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |

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## Batch QC

| QC1221623 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 01/21/25 | 01/21/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 01/21/25 | 01/21/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 01/21/25 | 01/21/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 01/21/25 | 01/21/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 01/21/25 | 01/21/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 01/21/25 | 01/21/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 01/21/25 | 01/21/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 01/21/25 | 01/21/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 01/21/25 | 01/21/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 01/21/25 | 01/21/25 |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 01/21/25 | 01/21/25 |
| Toluene-d8 | 102% | | %REC | 70-130 | | 01/21/25 | 01/21/25 |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 01/21/25 | 01/21/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1221782** | **Batch:** | **360826** |
| **Matrix (Source ID):** | **Water (523942-002)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1221782 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.41 | ND | 50.00 | ug/L | 101% | | 70-130 | 1 |
| MTBE | 51.67 | ND | 50.00 | ug/L | 103% | | 75-130 | 1 |
| Benzene | 51.20 | ND | 50.00 | ug/L | 102% | | 70-130 | 1 |
| Trichloroethene | 50.73 | ND | 50.00 | ug/L | 101% | | 63-130 | 1 |
| Toluene | 50.91 | ND | 50.00 | ug/L | 102% | | 70-130 | 1 |
| Chlorobenzene | 51.44 | ND | 50.00 | ug/L | 103% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 49.08 | | 50.00 | ug/L | 98% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 49.33 | | 50.00 | ug/L | 99% | | 70-130 | 1 |
| Toluene-d8 | 50.19 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| Bromofluorobenzene | 48.70 | | 50.00 | ug/L | 97% | | 70-130 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1221783 | Batch: | 360826 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (523942-002) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1221783 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 47.47 | ND | 50.00 | ug/L | 95% | | 70-130 | 6 | 30 | 1 |
| MTBE | 50.55 | ND | 50.00 | ug/L | 101% | | 75-130 | 2 | 30 | 1 |
| Benzene | 48.40 | ND | 50.00 | ug/L | 97% | | 70-130 | 6 | 30 | 1 |
| Trichloroethene | 47.91 | ND | 50.00 | ug/L | 96% | | 63-130 | 6 | 30 | 1 |
| Toluene | 47.69 | ND | 50.00 | ug/L | 95% | | 70-130 | 7 | 30 | 1 |
| Chlorobenzene | 48.83 | ND | 50.00 | ug/L | 98% | | 70-130 | 5 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 49.93 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 50.02 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| Toluene-d8 | 49.79 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.18 | | 50.00 | ug/L | 96% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1220368 | Batch: | 360458 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1220368 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 01/16/25 | 01/17/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 01/16/25 | 01/17/25 |

| Type: | Lab Control Sample | Lab ID: | QC1220369 | Batch: | 360458 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1220369 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.635 | 10.00 | ug/L | 86% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.09 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1220370 | Batch: | 360458 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1220370 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.518 | 10.00 | ug/L | 85% | | 80-120 | 1 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.732 | 10.00 | ug/L | 97% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1220807 | Batch: | 360588 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1220807 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 01/17/25 | 01/17/25 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1220809 | Batch: 360588 |
|---|---|---|
| Matrix: Water | Method: SM 4500-S2-D | Prep Method: METHOD |

| QC1220809 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1220810 | Batch: 360588 |
|---|---|---|
| Matrix (Source ID): Water (523942-001) | Method: SM 4500-S2-D | Prep Method: METHOD |

| QC1220810 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1220811 | Batch: 360588 |
|---|---|---|
| Matrix (Source ID): Water (523942-001) | Method: SM 4500-S2-D | Prep Method: METHOD |

| QC1220811 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

| Type: Blank | Lab ID: QC1220526 | Batch: 360506 |
|---|---|---|
| Matrix: Water | Method: SM 5310B | Prep Method: SM 5310B |

| QC1220526 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.24 | 01/16/25 | 01/16/25 |

| Type: Lab Control Sample | Lab ID: QC1220527 | Batch: 360506 |
|---|---|---|
| Matrix: Water | Method: SM 5310B | Prep Method: SM 5310B |

| QC1220527 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 26.06 | 25.00 | mg/L | 104% | | 80-120 |

| Type: Matrix Spike | Lab ID: QC1220528 | Batch: 360506 |
|---|---|---|
| Matrix (Source ID): Water (523942-001) | Method: SM 5310B | Prep Method: SM 5310B |

| QC1220528 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 33.24 | 2.996 | 25.00 | mg/L | 121% | * | 80-120 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1220529 | Batch: 360506 |
|---|---|---|
| Matrix (Source ID): Water (523942-001) | Method: SM 5310B | Prep Method: SM 5310B |

| QC1220529 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 32.81 | 2.996 | 25.00 | mg/L | 119% | | 80-120 | 1 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1223235 | Batch: 361290 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1223235 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 01/25/25 | 01/25/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 01/25/25 | 01/25/25 |

| Type: Lab Control Sample | Lab ID: QC1223236 | Batch: 361290 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1223236 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,006 | 1000 | mg/L | 101% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1223237 | Batch: 361290 |
|---|---|---|
| Matrix (Source ID): Water (524084-001) | Method: SM2320B | Prep Method: METHOD |

| QC1223237 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 331.4 | 327.5 | mg/L | | 1 | 20 | 5 |
| Alkalinity, Total as CaCO3 | 331.4 | 327.5 | mg/L | | 1 | 20 | 5 |

| Type: Blank | Lab ID: QC1221148 | Batch: 360699 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1221148 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 01/18/25 | 01/21/25 |

| Type: Lab Control Sample | Lab ID: QC1221149 | Batch: 360699 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1221149 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 924.0 | 1000 | mg/L | 92% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1221150 | Batch: 360699 |
|---|---|---|
| Matrix (Source ID): Water (523942-001) | Method: SM2540C | Prep Method: METHOD |

| QC1221150 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 882.0 | 842.0 | mg/L | | 5 | 5 | 2 |

| Type: Sample Duplicate | Lab ID: QC1221151 | Batch: 360699 |
|---|---|---|
| Matrix (Source ID): Water (524060-006) | Method: SM2540C | Prep Method: METHOD |

| QC1221151 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 2,002 | 1954 | mg/L | | 2 | 5 | 2 |

# Batch QC

* Value is outside QC limits
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 523942**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2501890

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 058321
**Project:** EO-523942

**Project Location:**
**Project Received:** 01/16/2025

Analytical Report reviewed & approved for release on 01/24/2025 by:

Yen Cao
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2501890

**Project:** EO-523942

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2501890

**Project:** EO-523942

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2501890 |
| **Date Received:** | 01/16/2025 10:25 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 01/21/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-523942 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-12 | 2501890-001A | Water | 01/14/2025 09:13 | GC26 0121250804.D | 310113 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1200** | 50 | 50 | 1 | 01/21/2025 08:45 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-7 | 2501890-002A | Water | 01/14/2025 10:15 | GC26 0121250805.D | 310113 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **520** | 50 | 50 | 1 | 01/21/2025 09:21 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-18 | 2501890-003A | Water | 01/14/2025 11:17 | GC26 0121250806.D | 310113 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **4900** | 500 | 500 | 10 | 01/21/2025 09:51 |

Analyst(s): PRE

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2501890 |
| **Date Received:** | 01/16/2025 10:25 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 01/21/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-523942 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-21 | 2501890-004A | Water | 01/14/2025 12:02 | GC26 0121250807.D | 310113 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **280** | 50 | 50 | 1 | 01/21/2025 10:10 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| PZ-4 | 2501890-005A | Water | 01/14/2025 13:25 | GC26 0121250808.D | 310113 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **13,000** | 2500 | 2500 | 50 | 01/21/2025 10:38 |

Analyst(s): PRE

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2501890 |
| **Date Prepared:** | 01/21/2025 | **BatchID:** | 310113 |
| **Date Analyzed:** | 01/21/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-523942 | **Sample ID:** | MB/LCS/LCSD-310113 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 160 | 150 | 187.2 | 88 | 79 | 70-130 | 10.0 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2501890** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 058321
Project: EO-523942

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **01/16/2025**
*Date Logged:* **01/16/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2501890-001 | DW-12 | Water | 1/14/2025 09:13 | ☐ | A | | | | | | | | | | | |
| 2501890-002 | DW-7 | Water | 1/14/2025 10:15 | ☐ | A | | | | | | | | | | | |
| 2501890-003 | DW-18 | Water | 1/14/2025 11:17 | ☐ | A | | | | | | | | | | | |
| 2501890-004 | DW-21 | Water | 1/14/2025 12:02 | ☐ | A | | | | | | | | | | | |
| 2501890-005 | PZ-4 | Water | 1/14/2025 13:25 | ☐ | A | | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | RSK175_CO2_W | 2 | | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Gemma Gomez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-523942 **Work Order:** 2501890
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 1/16/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-12 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/14/2025 9:13 | 5 days | 1/24/2025 | Present | ☐ | ☐ |
| 002A | DW-7 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/14/2025 10:15 | 5 days | 1/24/2025 | None | ☐ | ☐ |
| 003A | DW-18 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/14/2025 11:17 | 5 days | 1/24/2025 | None | ☐ | ☐ |
| 004A | DW-21 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/14/2025 12:02 | 5 days | 1/24/2025 | None | ☐ | ☐ |
| 005A | PZ-4 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/14/2025 13:25 | 5 days | 1/24/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2501890

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-058321

Enthalpy Order: EO-523942
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-12 | 14-JAN-2025 09:13 | 523942-001 | 3 | Water | RSK-175 CO2 | |
| DW-7 | 14-JAN-2025 10:15 | 523942-002 | 3 | Water | RSK-175 CO2 | |
| DW-18 | 14-JAN-2025 11:17 | 523942-003 | 3 | Water | RSK-175 CO2 | |
| DW-21 | 14-JAN-2025 12:02 | 523942-004 | 3 | Water | RSK-175 CO2 | |
| PZ-4 | 14-JAN-2025 13:25 | 523942-005 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Martinez EA-ORA | |
| | Date: 01/15/25 1750 | Date: 1/16/25 10:25 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1 of 1

915625162S1

0.2 ug 1P:41

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 1/16/2025 10:25 |
| Project: | EO-523942 | Date Logged: | 1/16/2025 |
| | | Received by: | Gemma Gomez |
| WorkOrder №: | 2501890 Matrix: Water | Logged by: | Gemma Gomez |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | NA ☐ |
| Custody seals intact on sample bottles? | Yes ☑ | No ☐ | NA ☐ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| | (Ice Type: WET ICE ) | | |
| Sample/Temp Blank temperature | Temp: 0.2°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☑ | No ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 524063
Report Level : II
Report Date : 01/30/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 524063<br>GW MONITORING<br>Chiquita Canyon Landfill<br>01/15/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-17 | 524063-001 | 01/15/25 09:22 | Water |
| DW-14 | 524063-002 | 01/15/25 10:52 | Water |
| DW-30 | 524063-003 | 01/15/25 11:59 | Water |
| DW-15 | 524063-004 | 01/15/25 12:59 | Water |
| QCFB | 524063-005 | 01/15/25 13:02 | Water |
| QCTB | 524063-006 | 01/15/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 524063<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill<br>Date Received: 01/15/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 01/16/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- High response was observed for fluoride in the CCV analyzed 01/17/25 01:25; affected data was qualified with "b".
- Responses exceeding the instrument's linear range were observed for chloride and sulfate in the MS/MSD for batch 360536 and the MS/MSD for batch 360793; affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 524063

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

3.4 | 3.5

**Quarterly MPars**

**cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-17 | 1/15/25 | 922 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-14 | ↓ | 1052 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 3 | DW-30 | | 1159 | | | | X | X | X | X | X | X | X | X | X |
| 4 | DW-15 | | 1259 | | ↓ | | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | ↓ | 1302 | | 3 | | X | | | | | | | | |
| 6 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

| | Signature | Print Name | Company / Title | Date / Time | |
|---|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 1.15.25 | 1405 |
| [1] Received By: | | Jim Lin | EA-NH | 1.15.25 | 1405 |
| [2] Relinquished By: | | Jim Lin | EA-NH | 1.16.25 | 0830 |
| [2] Received By: | | Hrag B. | EA-NH | 1/16/25 | 0830 |
| [3] Relinquished By: | | Hrag B. | EA-NH | 1/16/25 | 1230 |
| [3] Received By: | | Brandon T | EA | 1.16.25 | 1230 |
| Relinquished / Rec'd | | Brandon / Adam Dinkmeyer | EA | 1.16.25 / 1/16/25 | 1300 / 1300 |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 1.15.25 WO# _____ Client: Chiquita Canyon LF

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1.15.25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.2

Cooler Temp (°C) #1: 12.3 / 12.1 #2: 11.8 / 11.6 #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 1/16/25 WO# 524063 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☑ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☑ Yes ☐ No ☐ On cooler / box ☑ On samples

Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/16/25 By (initials) BDJ Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 3.4 / 3.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** 1/15/25 **By (print)** AES **(sign)** _____

**Date Labeled** 1/16/25 **By (print)** EA-OR **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 524063

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 524063
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 01/15/25

**Sample ID: DW-17** **Lab ID: 524063-001** **Collected: 01/15/25 09:22**
**Matrix: Water**

| 524063-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.17** | J | mg/L | 0.20 | 0.040 | 1 | 360793 | 01/20/25 14:45 | 01/20/25 20:47 | AJL |
| Chloride | **150** | | mg/L | 1.0 | 0.27 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 18:17 | JAA |
| Bromide | **0.33** | | mg/L | 0.30 | 0.060 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 18:17 | JAA |
| Nitrogen, Nitrate | **1.0** | | mg/L | 0.10 | 0.04 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 18:17 | JAA |
| Sulfate | **180** | | mg/L | 10 | 2.1 | 10 | 360536 | 01/16/25 15:50 | 01/16/25 18:40 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360686 | 01/18/25 | 01/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 361364 | 01/27/25 | 01/27/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.092** | | mg/L | 0.050 | 0.0062 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Calcium | **4.9** | | mg/L | 0.57 | 0.57 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Magnesium | **0.13** | | mg/L | 0.10 | 0.025 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Potassium | **0.74** | | mg/L | 0.50 | 0.42 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Sodium | **220** | | mg/L | 0.50 | 0.34 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524063

| 524063-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 100% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524063

| 524063-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 97% | | %REC | 80-120 | | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360588 | 01/17/25 | 01/17/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.7** | | mg/L | 1.0 | 0.24 | 1 | 360623 | 01/17/25 | 01/17/25 | EPL |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **130** | | mg/L | 5.0 | | 2.5 | 361389 | 01/27/25 | 01/27/25 | WWC |
| Alkalinity, Total as CaCO3 | **160** | | mg/L | 5.0 | | 2.5 | 361389 | 01/27/25 | 01/27/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **650** | | mg/L | 20 | | 2 | 360760 | 01/20/25 | 01/21/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524063

| Sample ID: DW-14 | Lab ID: 524063-002 | Collected: 01/15/25 10:52 |
|---|---|---|
| | Matrix: Water | |

| 524063-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.37** | | mg/L | 0.20 | 0.040 | 1 | 360793 | 01/20/25 14:45 | 01/20/25 19:44 | AJL |
| Chloride | **94** | | mg/L | 1.0 | 0.27 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 20:10 | JAA |
| Bromide | **0.15** | J | mg/L | 0.30 | 0.060 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 20:10 | JAA |
| Nitrogen, Nitrate | **0.29** | | mg/L | 0.10 | 0.04 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 20:10 | JAA |
| Sulfate | **29** | | mg/L | 1.0 | 0.21 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 20:10 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360686 | 01/18/25 | 01/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 361364 | 01/27/25 | 01/27/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.13** | | mg/L | 0.050 | 0.0062 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Calcium | **2.6** | | mg/L | 0.57 | 0.57 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Iron | **0.32** | | mg/L | 0.041 | 0.041 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Magnesium | **0.23** | | mg/L | 0.10 | 0.025 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Manganese | **0.0033** | J | mg/L | 0.010 | 0.0029 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Potassium | **0.60** | | mg/L | 0.50 | 0.42 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Sodium | **140** | | mg/L | 0.50 | 0.34 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524063

| 524063-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 100% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 524063

| 524063-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360588 | 01/17/25 | 01/17/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.24 | 1 | 360623 | 01/17/25 | 01/18/25 | EPL |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **130** | | mg/L | 5.0 | | 2.5 | 361389 | 01/27/25 | 01/27/25 | WWC |
| Alkalinity, Total as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 361389 | 01/27/25 | 01/27/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **370** | | mg/L | 20 | | 2 | 360760 | 01/20/25 | 01/21/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524063

| Sample ID: DW-30 | Lab ID: 524063-003 | Collected: 01/15/25 11:59 |
|---|---|---|
| | Matrix: Water | |

| 524063-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.83** | | mg/L | 0.20 | 0.040 | 1 | 360793 | 01/20/25 14:45 | 01/20/25 21:50 | AJL |
| Chloride | **58** | | mg/L | 1.0 | 0.27 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 20:32 | JAA |
| Bromide | **0.13** | J | mg/L | 0.30 | 0.060 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 20:32 | JAA |
| Nitrogen, Nitrate | **0.18** | | mg/L | 0.10 | 0.04 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 20:32 | JAA |
| Sulfate | **300** | | mg/L | 10 | 2.1 | 10 | 360536 | 01/16/25 15:50 | 01/16/25 21:40 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360686 | 01/18/25 | 01/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 361364 | 01/27/25 | 01/27/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.21** | | mg/L | 0.050 | 0.0062 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Calcium | **37** | | mg/L | 0.57 | 0.57 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Iron | **0.091** | | mg/L | 0.041 | 0.041 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Magnesium | **5.8** | | mg/L | 0.10 | 0.025 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Manganese | **0.049** | | mg/L | 0.010 | 0.0029 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Potassium | **1.7** | | mg/L | 0.50 | 0.42 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Sodium | **190** | | mg/L | 0.50 | 0.34 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 524063

| 524063-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Tetrachloroethene | **0.3** | J | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 524063

| 524063-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 103% | | %REC | 80-120 | | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360588 | 01/17/25 | 01/17/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **4.5** | | mg/L | 1.0 | 0.24 | 1 | 360623 | 01/17/25 | 01/18/25 | EPL |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 361389 | 01/27/25 | 01/27/25 | WWC |
| Alkalinity, Total as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 361389 | 01/27/25 | 01/27/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **700** | | mg/L | 20 | | 2 | 360760 | 01/20/25 | 01/21/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524063

| Sample ID: DW-15 | Lab ID: 524063-004 | Collected: 01/15/25 12:59 |
|---|---|---|
| | Matrix: Water | |

| 524063-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.088** | J | mg/L | 0.20 | 0.040 | 1 | 360793 | 01/20/25 14:45 | 01/20/25 22:11 | AJL |
| Chloride | **74** | | mg/L | 1.0 | 0.27 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 22:02 | AJL |
| Bromide | **0.16** | J | mg/L | 0.30 | 0.060 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 22:02 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.04 | 1 | 360536 | 01/16/25 15:50 | 01/16/25 22:02 | AJL |
| Sulfate | **1,400** | | mg/L | 20 | 4.2 | 20 | 360536 | 01/16/25 15:50 | 01/16/25 22:25 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.11** | | mg/L | 0.10 | 0.050 | 1 | 360686 | 01/18/25 | 01/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 361364 | 01/27/25 | 01/27/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.23** | | mg/L | 0.050 | 0.0062 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Calcium | **240** | | mg/L | 0.57 | 0.57 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Iron | **0.92** | | mg/L | 0.041 | 0.041 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Magnesium | **33** | | mg/L | 0.10 | 0.025 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Manganese | **0.62** | | mg/L | 0.010 | 0.0029 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Potassium | **3.0** | | mg/L | 0.50 | 0.42 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Sodium | **410** | | mg/L | 0.50 | 0.34 | 1 | 360528 | 01/16/25 | 01/16/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524063

| 524063-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,4-Dichlorobenzene | **0.2** | J | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 524063

| 524063-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360588 | 01/17/25 | 01/17/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **4.8** | | mg/L | 1.0 | 0.24 | 1 | 360623 | 01/17/25 | 01/18/25 | EPL |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **110** | | mg/L | 5.0 | | 2.5 | 361389 | 01/27/25 | 01/27/25 | WWC |
| Alkalinity, Total as CaCO3 | **110** | | mg/L | 5.0 | | 2.5 | 361389 | 01/27/25 | 01/27/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **2,300** | | mg/L | 20 | | 2 | 360760 | 01/20/25 | 01/21/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524063

| Sample ID: QCFB | Lab ID: 524063-005 | Collected: 01/15/25 13:02 |
|---|---|---|
| | Matrix: Water | |

| 524063-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524063

| 524063-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 97% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524063

| Sample ID: QCTB | Lab ID: 524063-006 | Collected: 01/15/25 |
|---|---|---|
| | Matrix: Water | |

| 524063-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524063

| 524063-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Toluene-d8 | 103% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 360693 | 01/18/25 | 01/18/25 | EJB |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1220610** | **Batch:** | **360536** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220610 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 01/16/25 15:50 | 01/16/25 17:10 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 01/16/25 15:50 | 01/16/25 17:10 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.04 | 01/16/25 15:50 | 01/16/25 17:10 |
| Sulfate | ND | | mg/L | 1.0 | 0.21 | 01/16/25 15:50 | 01/16/25 17:10 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1220611** | **Batch:** | **360536** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220611 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 47.56 | 50.00 | mg/L | 95% | | 90-110 |
| Bromide | 14.78 | 15.00 | mg/L | 99% | | 90-110 |
| Nitrogen, Nitrate | 4.423 | 4.518 | mg/L | 98% | | 90-110 |
| Sulfate | 24.42 | 25.00 | mg/L | 98% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1220612** | **Batch:** | **360536** |
| **Matrix (Source ID):** | **Water (523995-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220612 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 193.4 | 96.91 | 100.0 | mg/L | 97% | | 80-120 | 1 |
| Bromide | 15.13 | 0.1634 | 15.00 | mg/L | 100% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.398 | 0.3971 | 9.036 | mg/L | 100% | | 80-120 | 1 |
| Sulfate | 72.35 | 22.55 | 50.00 | mg/L | 100% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1220613** | **Batch:** | **360536** |
| **Matrix (Source ID):** | **Water (523995-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220613 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 192.5 | 96.91 | 100.0 | mg/L | 96% | | 80-120 | 1 | 20 | 1 |
| Bromide | 15.07 | 0.1634 | 15.00 | mg/L | 99% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 9.320 | 0.3971 | 9.036 | mg/L | 99% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 71.86 | 22.55 | 50.00 | mg/L | 99% | | 80-120 | 1 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1220614** | **Batch:** | **360536** |
| **Matrix (Source ID):** | **Water (524159-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220614 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 176.6 | 79.18 | 100.0 | mg/L | 97% | | 80-120 | 1 |
| Bromide | 15.26 | 0.2535 | 15.00 | mg/L | 100% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.310 | 0.3147 | 9.036 | mg/L | 100% | | 80-120 | 1 |
| Sulfate | 118.3 | 71.69 | 50.00 | mg/L | 93% | E | 80-120 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1220615 | Batch: | 360536 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524159-002) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1220615 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 176.0 | 79.18 | 100.0 | mg/L | 97% | | 80-120 | 0 | 20 | 1 |
| Bromide | 15.14 | 0.2535 | 15.00 | mg/L | 99% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.250 | 0.3147 | 9.036 | mg/L | 99% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 118.2 | 71.69 | 50.00 | mg/L | 93% | E | 80-120 | | 20 | 1 |

| Type: | Blank | Lab ID: | QC1221495 | Batch: | 360793 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1221495 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.040 | 01/20/25 14:45 | 01/20/25 17:39 |

| Type: | Lab Control Sample | Lab ID: | QC1221496 | Batch: | 360793 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1221496 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.148 | 10.00 | mg/L | 91% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1221497 | Batch: | 360793 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524045-005) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1221497 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.19 | 0.04347 | 20.00 | mg/L | 96% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1221498 | Batch: | 360793 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524045-005) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1221498 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.47 | 0.04347 | 20.00 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1221499 | Batch: | 360793 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524063-002) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1221499 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.66 | 0.3667 | 20.00 | mg/L | 96% | | 80-120 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1221500 | Batch: | 360793 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524063-002) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1221500 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.00 | 0.3667 | 20.00 | mg/L | 98% | | 80-120 | 2 | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1221099 | Batch: | 360686 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1221099 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9456 | 1.000 | mg/L | 95% | | 90-110 |

| Type: | Blank | Lab ID: | QC1221102 | Batch: | 360686 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1221102 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 01/18/25 | 01/20/25 |

| Type: | Matrix Spike | Lab ID: | QC1221104 | Batch: | 360686 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524063-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1221104 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9609 | ND | 1.000 | mg/L | 96% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1221105 | Batch: | 360686 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524063-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1221105 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9335 | ND | 1.000 | mg/L | 93% | | 90-110 | 3 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1223508 | Batch: | 361364 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1223508 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 01/27/25 | 01/27/25 |

| Type: | Lab Control Sample | Lab ID: | QC1223509 | Batch: | 361364 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1223509 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 105.0 | 100.0 | mg/L | 105% | | 90-110 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1223510 | Batch: | 361364 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524063-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1223510 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 106.0 | ND | 100.0 | mg/L | 105% | | 77-120 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1223511 | Batch: | 361364 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524063-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1223511 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 106.0 | ND | 100.0 | mg/L | 105% | | 77-120 | 0 | 20 | 2 |

| Type: | Blank | Lab ID: | QC1220581 | Batch: | 360528 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1220581 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0062 | 01/16/25 | 01/16/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 01/16/25 | 01/16/25 |
| Iron | ND | | mg/L | 0.041 | 0.041 | 01/16/25 | 01/16/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 01/16/25 | 01/16/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 01/16/25 | 01/16/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 01/16/25 | 01/16/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 01/16/25 | 01/16/25 |

| Type: | Lab Control Sample | Lab ID: | QC1220582 | Batch: | 360528 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1220582 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3688 | 0.4000 | mg/L | 92% | | 80-120 |
| Calcium | 18.89 | 20.40 | mg/L | 93% | | 80-120 |
| Iron | 0.3682 | 0.4000 | mg/L | 92% | | 80-120 |
| Magnesium | 18.64 | 20.40 | mg/L | 91% | | 80-120 |
| Manganese | 0.3680 | 0.4000 | mg/L | 92% | | 80-120 |
| Potassium | 21.42 | 24.00 | mg/L | 89% | | 80-120 |
| Sodium | 18.56 | 20.40 | mg/L | 91% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1220583 | Batch: | 360528 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524063-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1220583 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.4678 | 0.09194 | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Calcium | 23.85 | 4.870 | 20.40 | mg/L | 93% | | 75-125 | 1 |
| Iron | 0.3830 | ND | 0.4000 | mg/L | 96% | | 75-125 | 1 |
| Magnesium | 18.88 | 0.1330 | 20.40 | mg/L | 92% | | 75-125 | 1 |
| Manganese | 0.3702 | ND | 0.4000 | mg/L | 93% | | 75-125 | 1 |
| Potassium | 22.84 | 0.7417 | 24.00 | mg/L | 92% | | 75-125 | 1 |
| Sodium | 239.4 | 221.8 | 20.40 | mg/L | 86% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1220584 | Batch: | 360528 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524063-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1220584 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4596 | 0.09194 | 0.4000 | mg/L | 92% | | 75-125 | 2 | 20 | 1 |
| Calcium | 23.37 | 4.870 | 20.40 | mg/L | 91% | | 75-125 | 2 | 20 | 1 |
| Iron | 0.3758 | ND | 0.4000 | mg/L | 94% | | 75-125 | 2 | 20 | 1 |
| Magnesium | 18.43 | 0.1330 | 20.40 | mg/L | 90% | | 75-125 | 2 | 20 | 1 |
| Manganese | 0.3601 | ND | 0.4000 | mg/L | 90% | | 75-125 | 3 | 20 | 1 |
| Potassium | 22.32 | 0.7417 | 24.00 | mg/L | 90% | | 75-125 | 2 | 20 | 1 |
| Sodium | 237.1 | 221.8 | 20.40 | mg/L | 75% | NM | 75-125 | 1 | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1221119 | Batch: | 360693 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1221119 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 43.35 | 50.00 | ug/L | 87% | | 70-135 |
| MTBE | 43.07 | 50.00 | ug/L | 86% | | 70-130 |
| Benzene | 44.36 | 50.00 | ug/L | 89% | | 70-130 |
| Trichloroethene | 43.18 | 50.00 | ug/L | 86% | | 70-130 |
| Toluene | 44.02 | 50.00 | ug/L | 88% | | 70-130 |
| Chlorobenzene | 44.49 | 50.00 | ug/L | 89% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 50.86 | 50.00 | ug/L | 102% | | 70-130 |
| 1,2-Dichloroethane-d4 | 50.98 | 50.00 | ug/L | 102% | | 70-130 |
| Toluene-d8 | 49.06 | 50.00 | ug/L | 98% | | 70-130 |
| Bromofluorobenzene | 49.84 | 50.00 | ug/L | 100% | | 70-130 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1221120** | **Batch:** | **360693** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1221120 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 43.25 | 50.00 | ug/L | 86% | | 70-135 | 0 | 30 |
| MTBE | 43.46 | 50.00 | ug/L | 87% | | 70-130 | 1 | 30 |
| Benzene | 44.86 | 50.00 | ug/L | 90% | | 70-130 | 1 | 30 |
| Trichloroethene | 45.41 | 50.00 | ug/L | 91% | | 70-130 | 5 | 30 |
| Toluene | 44.78 | 50.00 | ug/L | 90% | | 70-130 | 2 | 30 |
| Chlorobenzene | 45.48 | 50.00 | ug/L | 91% | | 70-130 | 2 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 50.11 | 50.00 | ug/L | 100% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 49.52 | 50.00 | ug/L | 99% | | 70-130 | | |
| Toluene-d8 | 49.75 | 50.00 | ug/L | 100% | | 70-130 | | |
| Bromofluorobenzene | 49.52 | 50.00 | ug/L | 99% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1221124 | **Batch:** 360693 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1221124 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 01/18/25 | 01/18/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 01/18/25 | 01/18/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 01/18/25 | 01/18/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 01/18/25 | 01/18/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 01/18/25 | 01/18/25 |
| Acetone | ND | | ug/L | 100 | 21 | 01/18/25 | 01/18/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 01/18/25 | 01/18/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 01/18/25 | 01/18/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 01/18/25 | 01/18/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 01/18/25 | 01/18/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 01/18/25 | 01/18/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 01/18/25 | 01/18/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 01/18/25 | 01/18/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 01/18/25 | 01/18/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 01/18/25 | 01/18/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 01/18/25 | 01/18/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 01/18/25 | 01/18/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 01/18/25 | 01/18/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 01/18/25 | 01/18/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |

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# Batch QC

| QC1221124 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 01/18/25 | 01/18/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 01/18/25 | 01/18/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/18/25 | 01/18/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 01/18/25 | 01/18/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 01/18/25 | 01/18/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 01/18/25 | 01/18/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 01/18/25 | 01/18/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 01/18/25 | 01/18/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 01/18/25 | 01/18/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 01/18/25 | 01/18/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 01/18/25 | 01/18/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 101% | | %REC | 70-130 | | 01/18/25 | 01/18/25 |
| 1,2-Dichloroethane-d4 | 102% | | %REC | 70-130 | | 01/18/25 | 01/18/25 |
| Toluene-d8 | 101% | | %REC | 70-130 | | 01/18/25 | 01/18/25 |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 01/18/25 | 01/18/25 |

**Type:** Matrix Spike **Lab ID:** QC1221146 **Batch:** 360693
**Matrix (Source ID):** Water (524113-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1221146 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 58.43 | 4.488 | 50.00 | ug/L | 108% | | 70-130 | 1 |
| MTBE | 52.23 | ND | 50.00 | ug/L | 104% | | 75-130 | 1 |
| Benzene | 53.20 | ND | 50.00 | ug/L | 106% | | 70-130 | 1 |
| Trichloroethene | 92.91 | 41.05 | 50.00 | ug/L | 104% | | 63-130 | 1 |
| Toluene | 52.90 | ND | 50.00 | ug/L | 106% | | 70-130 | 1 |
| Chlorobenzene | 53.43 | ND | 50.00 | ug/L | 107% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 50.13 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 50.49 | | 50.00 | ug/L | 101% | | 70-130 | 1 |
| Toluene-d8 | 50.14 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| Bromofluorobenzene | 49.12 | | 50.00 | ug/L | 98% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1221147 | Batch: | 360693 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524113-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1221147 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 55.85 | 4.488 | 50.00 | ug/L | 103% | | 70-130 | 5 | 30 | 1 |
| MTBE | 53.02 | ND | 50.00 | ug/L | 106% | | 75-130 | 1 | 30 | 1 |
| Benzene | 52.43 | ND | 50.00 | ug/L | 105% | | 70-130 | 1 | 30 | 1 |
| Trichloroethene | 90.24 | 41.05 | 50.00 | ug/L | 98% | | 63-130 | 3 | 30 | 1 |
| Toluene | 51.85 | ND | 50.00 | ug/L | 104% | | 70-130 | 2 | 30 | 1 |
| Chlorobenzene | 51.56 | ND | 50.00 | ug/L | 103% | | 70-130 | 4 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 50.04 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 50.27 | | 50.00 | ug/L | 101% | | 70-130 | | | 1 |
| Toluene-d8 | 49.60 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |
| Bromofluorobenzene | 49.23 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1221883 | Batch: | 360909 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1221883 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 01/21/25 | 01/22/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 01/21/25 | 01/22/25 |

| Type: | Lab Control Sample | Lab ID: | QC1221884 | Batch: | 360909 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1221884 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.086 | 10.00 | ug/L | 91% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.864 | 10.00 | ug/L | 99% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1221885 | Batch: | 360909 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1221885 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.617 | 10.00 | ug/L | 96% | | 80-120 | 6 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.51 | 10.00 | ug/L | 105% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1220807 | Batch: | 360588 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1220807 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 01/17/25 | 01/17/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1220809 **Batch:** 360588
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1220809 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1220810 **Batch:** 360588
**Matrix (Source ID):** Water (523942-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1220810 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1220811 **Batch:** 360588
**Matrix (Source ID):** Water (523942-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1220811 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1220913 **Batch:** 360623
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1220913 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.24 | 01/17/25 | 01/17/25 |

**Type:** Lab Control Sample **Lab ID:** QC1220914 **Batch:** 360623
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1220914 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.05 | 25.00 | mg/L | 116% | | 80-120 |

**Type:** Matrix Spike **Lab ID:** QC1220915 **Batch:** 360623
**Matrix (Source ID):** Water (524082-004) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1220915 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 32.34 | 4.318 | 25.00 | mg/L | 112% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1220916 **Batch:** 360623
**Matrix (Source ID):** Water (524082-004) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1220916 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 32.11 | 4.318 | 25.00 | mg/L | 111% | | 80-120 | 1 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1223581 | Batch: 361389 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1223581 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 01/27/25 | 01/27/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 01/27/25 | 01/27/25 |

| Type: Lab Control Sample | Lab ID: QC1223582 | Batch: 361389 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1223582 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,069 | 1000 | mg/L | 107% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1223584 | Batch: 361389 |
|---|---|---|
| Matrix (Source ID): Drinking Water (524512-007) | Method: SM2320B | Prep Method: METHOD |

| QC1223584 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 126.8 | 131.0 | mg/L | | 3 | 20 | 1 |
| Alkalinity, Total as CaCO3 | 126.8 | 131.0 | mg/L | | 3 | 20 | 1 |

| Type: Blank | Lab ID: QC1221383 | Batch: 360760 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1221383 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 01/20/25 | 01/21/25 |

| Type: Lab Control Sample | Lab ID: QC1221384 | Batch: 360760 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1221384 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 966.0 | 1000 | mg/L | 97% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1221385 | Batch: 360760 |
|---|---|---|
| Matrix (Source ID): Water (524063-001) | Method: SM2540C | Prep Method: METHOD |

| QC1221385 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 676.0 | 648.0 | mg/L | | 4 | 5 | 2 |

E Response exceeds instrument's linear range
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 524063**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2501944

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 058321
**Project:** EO-524063

**Project Location:**
**Project Received:** 01/17/2025

Analytical Report reviewed & approved for release on 01/28/2025 by:

Yen Cao
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2501944

**Project:** EO-524063

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2501944

**Project:** EO-524063

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2501944 |
| **Date Received:** | 01/17/2025 10:16 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 01/22/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-524063 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-17 | 2501944-001A | Water | 01/15/2025 09:22 | GC26 0122250804.D | 310251 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **240** | 50 | 50 | 1 | 01/22/2025 10:01 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-14 | 2501944-002A | Water | 01/15/2025 10:52 | GC26 0122250805.D | 310251 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **410** | 50 | 50 | 1 | 01/22/2025 10:12 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-30 | 2501944-003A | Water | 01/15/2025 11:59 | GC26 0122250806.D | 310251 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3300** | 500 | 500 | 10 | 01/22/2025 10:39 |

Analyst(s): PRE

*(Cont.)*

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2501944 |
| **Date Received:** | 01/17/2025 10:16 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 01/22/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-524063 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-15 | 2501944-004A | Water | 01/15/2025 12:59 | GC26 0122250807.D | 310251 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **15,000** | 2500 | 2500 | 50 | 01/22/2025 11:03 |

Analyst(s): PRE

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2501944 |
| **Date Prepared:** | 01/22/2025 | **BatchID:** | 310251 |
| **Date Analyzed:** | 01/22/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-524063 | **Sample ID:** | MB/LCS/LCSD-310251 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 180 | 170 | 187.2 | 97 | 93 | 70-130 | 4.35 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2501944** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 058321
Project: EO-524063

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **01/17/2025**
*Date Logged:* **01/17/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2501944-001 | DW-17 | Water | 1/15/2025 09:22 | ☐ | A | | | | | | | | | | | |
| 2501944-002 | DW-14 | Water | 1/15/2025 10:52 | ☐ | A | | | | | | | | | | | |
| 2501944-003 | DW-30 | Water | 1/15/2025 11:59 | ☐ | A | | | | | | | | | | | |
| 2501944-004 | DW-15 | Water | 1/15/2025 12:59 | ☐ | A | | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | RSK175_CO2_W | 2 | | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-524063 **Work Order:** 2501944
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 1/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-17 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/15/2025 9:22 | 5 days | 1/27/2025 | None | ☐ | ☐ |
| 002A | DW-14 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/15/2025 10:52 | 5 days | 1/27/2025 | None | ☐ | ☐ |
| 003A | DW-30 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/15/2025 11:59 | 5 days | 1/27/2025 | None | ☐ | ☐ |
| 004A | DW-15 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/15/2025 12:59 | 5 days | 1/27/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

25019444

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-058321

Enthalpy Order: EO-524063
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-17 | 15-JAN-2025 09:22 | 524063-001 | 3 | Water | RSK-175 CO2 | |
| DW-14 | 15-JAN-2025 10:52 | 524063-002 | 3 | Water | RSK-175 CO2 | |
| DW-30 | 15-JAN-2025 11:59 | 524063-003 | 3 | Water | RSK-175 CO2 | |
| DW-15 | 15-JAN-2025 12:59 | 524063-004 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Ventura EA-ORA | |
| | Date: 01/16/25 1715 | Date: |
| | | Emily Pa |
| | Date: | Date: 1/17/25 10:16 |
| | | |
| | Date: | Date: |

GIS: 562522384

1.1 wet/blue IR30

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 1/17/2025 10:16 |
| Project: | EO-524063 | Date Logged: | 1/17/2025 |
| | | Received by: | |
| WorkOrder №: | 2501944 Matrix: | Logged by: | Emily Perez |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☐ | No ☐ | NA ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | NA ☑ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET/BLU ) | | | |
| Sample/Temp Blank temperature | Temp: 1.1°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☑ | No ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 524157
Report Level : II
Report Date : 01/31/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 524157<br>GW MONITORING<br>Chiquita Canyon Landfill<br>01/16/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-29 | 524157-001 | 01/16/25 09:18 | Water |
| DW-31 | 524157-002 | 01/16/25 10:13 | Water |
| DW-1 | 524157-003 | 01/16/25 11:06 | Water |
| DW-16 | 524157-004 | 01/16/25 12:00 | Water |
| DW-3 | 524157-005 | 01/16/25 12:56 | Water |
| QCFB | 524157-006 | 01/16/25 09:20 | Water |
| QCTB | 524157-007 | 01/16/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 524157<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill<br>Date Received: 01/16/25 |

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 01/17/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for sulfate in the MSs/MSDs for batch 360626; affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

**Chain of Custody Record**

Lab No: 524157

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-29 | 1/16/25 | 918 | W | 13 | var. | X | X | X | X | X | X | X | X | X | |
| 2 | DW-31 | " | 1013 | " | " | " | X | X | X | X | X | X | X | X | X | |
| 3 | DW-1 | " | 1106 | " | " | " | X | X | X | X | X | X | X | X | X | |
| 4 | DW-16 | " | 1200 | " | " | " | X | X | X | X | X | X | X | X | X | |
| 5 | DW-3 | " | 1256 | " | " | " | X | X | X | X | X | X | X | X | X | |
| 6 | QCFB | " | 920 | " | 3 | " | X | | | | | | | | | |
| 7 | QCTB | — | — | " | 2 | ✓ | X | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

**Quarterly MPars**

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

.9 | 1.1

12 | 2-1 14-12

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Paul Chang | CEI | 1.16.25 1415 |
| 1 Received By: | | Jim Lin | EA·NH | 1.16.25 1415 |
| 2 Relinquished By: | | Jim Lin | EA·NH | 1.17.25 0830 |
| 2 Received By: | | Hrag B. | EA·NH | 1/17/25 0830 |
| 3 Relinquished By: | | Hrag B. | EA·NH | 1/17/25 1248 |
| 3 Received By: | | D. Sandler | EA | 1/17/25 1420 |

D. Sandler EA 1/17/25 1525 Amalgia Smalkens 1/17/25 1525

## SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 1·16·25 WO# _____ Client: Chiquita Canyon L.F

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Client Drop Off at LA Service Center

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1·16·25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.2

Cooler Temp (°C) #1: ~~14.3~~ 14.1 #2: 13.6/13.4 #3: 12.8/12.6 #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

## SAMPLE RECEIPT CHECKLIST

**Section 1: General Info** 17 GCK

Date Received: 1/16/25 WO# 524157 Client: Waste Connections

ENTHALPY

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Cmalh In NH

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/17/25 By (initials) DXS Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR12 CF: +0.2

Cooler Temp (°C) #1: 1.9 / 2.1 #2: 0.9 / 1.1 #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☐ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | X | | |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** 1/16/25 **By (print)** G Kim **(sign)** Gay

**Date Labeled** 1/17/25 **By (print)** Danny **(sign)** ____

ENTHALPY ANALYTICAL

# Analysis Results for 524157

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 524157
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 01/16/25

**Sample ID: DW-29** **Lab ID: 524157-001** **Collected: 01/16/25 09:18**
**Matrix: Water**

| 524157-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.44** | | mg/L | 0.20 | 0.040 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 21:02 | AJL |
| Chloride | **83** | | mg/L | 1.0 | 0.20 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 21:02 | AJL |
| Bromide | **0.33** | | mg/L | 0.30 | 0.065 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 21:02 | AJL |
| Nitrogen, Nitrate | **2.8** | | mg/L | 0.10 | 0.06 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 21:02 | AJL |
| Sulfate | **300** | | mg/L | 10 | 3.4 | 10 | 360626 | 01/17/25 15:30 | 01/17/25 21:22 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360686 | 01/18/25 | 01/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **8.0** | | mg/L | 4.0 | 1.6 | 1 | 361364 | 01/27/25 | 01/27/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.30** | | mg/L | 0.050 | 0.0062 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Calcium | **53** | | mg/L | 0.57 | 0.57 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Magnesium | **7.4** | | mg/L | 0.10 | 0.025 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Manganese | **0.095** | | mg/L | 0.010 | 0.0029 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Potassium | **1.2** | | mg/L | 0.50 | 0.42 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Sodium | **210** | | mg/L | 0.50 | 0.34 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| 524157-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| 524157-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 114% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360677 | 01/18/25 | 01/18/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **8.7** | | mg/L | 1.0 | 0.24 | 1 | 360669 | 01/18/25 | 01/18/25 | EPL |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **250** | | mg/L | 5.0 | | 2.5 | 360907 | 01/21/25 | 01/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **250** | | mg/L | 5.0 | | 2.5 | 360907 | 01/21/25 | 01/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **810** | | mg/L | 20 | | 2 | 361014 | 01/22/25 | 01/24/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| Sample ID: DW-31 | Lab ID: 524157-002 | Collected: 01/16/25 10:13 |
|---|---|---|
| | Matrix: Water | |

| 524157-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.18** | J | mg/L | 0.20 | 0.040 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 21:43 | AJL |
| Chloride | **140** | | mg/L | 1.0 | 0.20 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 21:43 | AJL |
| Bromide | **0.59** | | mg/L | 0.30 | 0.065 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 21:43 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.06 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 21:43 | AJL |
| Sulfate | **530** | | mg/L | 10 | 3.4 | 10 | 360626 | 01/17/25 15:30 | 01/17/25 22:04 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360686 | 01/18/25 | 01/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **21** | | mg/L | 4.0 | 1.6 | 1 | 361364 | 01/27/25 | 01/27/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.62** | | mg/L | 0.050 | 0.0062 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Calcium | **220** | | mg/L | 0.57 | 0.57 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Iron | **0.56** | | mg/L | 0.041 | 0.041 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Magnesium | **40** | | mg/L | 0.10 | 0.025 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Manganese | **0.86** | | mg/L | 0.010 | 0.0029 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Potassium | **1.8** | | mg/L | 0.50 | 0.42 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Sodium | **150** | | mg/L | 0.50 | 0.34 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| 524157-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene-d8 | 103% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 524157

| 524157-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | **4.2** | | ug/L | 1.0 | 0.95 | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 360909 | 01/21/25 | 01/22/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360677 | 01/18/25 | 01/18/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **30** | | mg/L | 1.0 | 0.24 | 1 | 360669 | 01/18/25 | 01/18/25 | EPL |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **430** | | mg/L | 5.0 | | 2.5 | 360907 | 01/21/25 | 01/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **430** | | mg/L | 5.0 | | 2.5 | 360907 | 01/21/25 | 01/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,400** | | mg/L | 20 | | 2 | 361014 | 01/22/25 | 01/24/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| Sample ID: DW-1 | Lab ID: 524157-003 | Collected: 01/16/25 11:06 |
|---|---|---|
| | Matrix: Water | |

| 524157-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.78** | | mg/L | 0.20 | 0.040 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 22:25 | AJL |
| Chloride | **110** | | mg/L | 1.0 | 0.20 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 22:25 | AJL |
| Bromide | **0.25** | J | mg/L | 0.30 | 0.065 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 22:25 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.06 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 22:25 | AJL |
| Sulfate | **330** | | mg/L | 10 | 3.4 | 10 | 360626 | 01/17/25 15:30 | 01/17/25 22:46 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360686 | 01/18/25 | 01/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 361364 | 01/27/25 | 01/27/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.21** | | mg/L | 0.050 | 0.0062 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Calcium | **50** | | mg/L | 0.57 | 0.57 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Magnesium | **9.0** | | mg/L | 0.10 | 0.025 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Manganese | **0.041** | | mg/L | 0.010 | 0.0029 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Potassium | **2.2** | | mg/L | 0.50 | 0.42 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Sodium | **200** | | mg/L | 0.50 | 0.34 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethane | **0.2** | J | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| 524157-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Tetrachloroethene | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane-d4 | 107% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| 524157-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360909 | 01/21/25 | 01/22/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 360909 | 01/21/25 | 01/22/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360677 | 01/18/25 | 01/18/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **3.9** | | mg/L | 1.0 | 0.24 | 1 | 360669 | 01/18/25 | 01/18/25 | EPL |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 360907 | 01/21/25 | 01/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 360907 | 01/21/25 | 01/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **800** | | mg/L | 20 | | 2 | 361014 | 01/22/25 | 01/24/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| Sample ID: DW-16 | Lab ID: 524157-004 | Collected: 01/16/25 12:00 |
|---|---|---|
| | Matrix: Water | |

| 524157-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.39** | | mg/L | 0.20 | 0.040 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 23:07 | AJL |
| Chloride | **100** | | mg/L | 1.0 | 0.20 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 23:07 | AJL |
| Bromide | **0.25** | J | mg/L | 0.30 | 0.065 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 23:07 | AJL |
| Nitrogen, Nitrate | **2.2** | | mg/L | 0.10 | 0.06 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 23:07 | AJL |
| Sulfate | **180** | | mg/L | 10 | 3.4 | 10 | 360626 | 01/17/25 15:30 | 01/17/25 23:28 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360686 | 01/18/25 | 01/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 361364 | 01/27/25 | 01/27/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.13** | | mg/L | 0.050 | 0.0062 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Calcium | **6.6** | | mg/L | 0.57 | 0.57 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Magnesium | **0.37** | | mg/L | 0.10 | 0.025 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Potassium | **0.81** | | mg/L | 0.50 | 0.42 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Sodium | **230** | | mg/L | 0.50 | 0.34 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethane | **1.2** | J | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,2-Dichloroethene | **0.7** | J | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroform | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| 524157-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichloroethene | **0.7** | J | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Tetrachloroethene | **0.8** | J | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,4-Dichlorobenzene | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane-d4 | 103% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 524157

| 524157-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360909 | 01/21/25 | 01/22/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 103% | | %REC | 80-120 | | 1 | 360909 | 01/21/25 | 01/22/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360677 | 01/18/25 | 01/18/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **5.5** | | mg/L | 1.0 | 0.24 | 1 | 360669 | 01/18/25 | 01/18/25 | EPL |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **220** | | mg/L | 5.0 | | 2.5 | 360907 | 01/21/25 | 01/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **240** | | mg/L | 5.0 | | 2.5 | 360907 | 01/21/25 | 01/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **700** | | mg/L | 20 | | 2 | 361014 | 01/22/25 | 01/24/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| Sample ID: DW-3 | Lab ID: 524157-005 | Collected: 01/16/25 12:56 |
|---|---|---|
| | Matrix: Water | |

| 524157-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.61** | | mg/L | 0.20 | 0.040 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 23:49 | AJL |
| Chloride | **58** | | mg/L | 1.0 | 0.20 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 23:49 | AJL |
| Bromide | **0.19** | J | mg/L | 0.30 | 0.065 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 23:49 | AJL |
| Nitrogen, Nitrate | **1.8** | | mg/L | 0.10 | 0.06 | 1 | 360626 | 01/17/25 15:30 | 01/17/25 23:49 | AJL |
| Sulfate | **100** | | mg/L | 10 | 3.4 | 10 | 360626 | 01/17/25 15:30 | 01/18/25 00:10 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 360686 | 01/18/25 | 01/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 361364 | 01/27/25 | 01/27/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.26** | | mg/L | 0.050 | 0.0062 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Calcium | **32** | | mg/L | 0.57 | 0.57 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Magnesium | **3.9** | | mg/L | 0.10 | 0.025 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Potassium | **1.4** | | mg/L | 0.50 | 0.42 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Sodium | **110** | | mg/L | 0.50 | 0.34 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 12 | **5.2** | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethane | **0.3** | J | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| 524157-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Tetrachloroethene | **1.1** | J | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane-d4 | 104% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 524157

| 524157-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 360909 | 01/21/25 | 01/22/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 360909 | 01/21/25 | 01/22/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 360677 | 01/18/25 | 01/18/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **3.9** | | mg/L | 1.0 | 0.24 | 1 | 360669 | 01/18/25 | 01/18/25 | EPL |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 360907 | 01/21/25 | 01/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 360907 | 01/21/25 | 01/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **420** | | mg/L | 20 | | 2 | 361014 | 01/22/25 | 01/24/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| Sample ID: QCFB | Lab ID: 524157-006 | Collected: 01/16/25 09:20 |
|---|---|---|
| | Matrix: Water | |

| 524157-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| 524157-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane-d4 | 103% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| Sample ID: QCTB | Lab ID: 524157-007 | Collected: 01/16/25 |
|---|---|---|
| | Matrix: Water | |

| 524157-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524157

| 524157-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| 1,2-Dichloroethane-d4 | 102% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 360741 | 01/20/25 | 01/20/25 | ZST |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1220920** | **Batch:** | **360626** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220920 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.040 | 01/17/25 15:30 | 01/17/25 16:51 |
| Chloride | ND | | mg/L | 1.0 | 0.20 | 01/17/25 15:30 | 01/17/25 16:51 |
| Bromide | ND | | mg/L | 0.30 | 0.065 | 01/17/25 15:30 | 01/17/25 16:51 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.06 | 01/17/25 15:30 | 01/17/25 16:51 |
| Sulfate | ND | | mg/L | 1.0 | 0.34 | 01/17/25 15:30 | 01/17/25 16:51 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1220921** | **Batch:** | **360626** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220921 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.366 | 10.00 | mg/L | 94% | | 90-110 |
| Chloride | 47.63 | 50.00 | mg/L | 95% | | 90-110 |
| Bromide | 14.79 | 15.00 | mg/L | 99% | | 90-110 |
| Nitrogen, Nitrate | 4.426 | 4.518 | mg/L | 98% | | 90-110 |
| Sulfate | 24.39 | 25.00 | mg/L | 98% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1220922** | **Batch:** | **360626** |
| **Matrix (Source ID):** | **Drinking Water (524186-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220922 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.52 | 0.2423 | 20.00 | mg/L | 96% | | 80-120 | 1 |
| Chloride | 143.6 | 46.50 | 100.0 | mg/L | 97% | | 80-120 | 1 |
| Bromide | 14.63 | 0.1759 | 15.00 | mg/L | 96% | | 80-120 | 1 |
| Nitrogen, Nitrate | 8.759 | 0.08402 | 9.036 | mg/L | 96% | | 80-120 | 1 |
| Sulfate | 117.5 | 72.67 | 50.00 | mg/L | 90% | E | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1220923** | **Batch:** | **360626** |
| **Matrix (Source ID):** | **Drinking Water (524186-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220923 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.42 | 0.2423 | 20.00 | mg/L | 96% | | 80-120 | 1 | 20 | 1 |
| Chloride | 143.3 | 46.50 | 100.0 | mg/L | 97% | | 80-120 | 0 | 20 | 1 |
| Bromide | 14.53 | 0.1759 | 15.00 | mg/L | 96% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 8.684 | 0.08402 | 9.036 | mg/L | 95% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 117.2 | 72.67 | 50.00 | mg/L | 89% | E | 80-120 | | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1220924 | Batch: | 360626 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Drinking Water (524187-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1220924 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.31 | 0.2433 | 20.00 | mg/L | 105% | | 80-120 | 1 |
| Chloride | 149.4 | 46.36 | 100.0 | mg/L | 103% | | 80-120 | 1 |
| Bromide | 15.39 | 0.1685 | 15.00 | mg/L | 101% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.311 | 0.07941 | 9.036 | mg/L | 102% | | 80-120 | 1 |
| Sulfate | 124.0 | 72.66 | 50.00 | mg/L | 103% | E | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1220925 | Batch: | 360626 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Drinking Water (524187-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1220925 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.36 | 0.2433 | 20.00 | mg/L | 96% | | 80-120 | 10 | 20 | 1 |
| Chloride | 142.9 | 46.36 | 100.0 | mg/L | 97% | | 80-120 | 4 | 20 | 1 |
| Bromide | 14.52 | 0.1685 | 15.00 | mg/L | 96% | | 80-120 | 6 | 20 | 1 |
| Nitrogen, Nitrate | 8.690 | 0.07941 | 9.036 | mg/L | 95% | | 80-120 | 7 | 20 | 1 |
| Sulfate | 117.2 | 72.66 | 50.00 | mg/L | 89% | E | 80-120 | | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1221099 | Batch: | 360686 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1221099 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9456 | 1.000 | mg/L | 95% | | 90-110 |

| Type: | Blank | Lab ID: | QC1221102 | Batch: | 360686 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1221102 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 01/18/25 | 01/20/25 |

| Type: | Matrix Spike | Lab ID: | QC1221104 | Batch: | 360686 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524063-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1221104 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9609 | ND | 1.000 | mg/L | 96% | | 90-110 | 1 |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1221105** |
| **Batch:** | **360686** | | |
| **Matrix (Source ID):** | **Water (524063-001)** | **Method:** | **EPA 350.1** |
| **Prep Method:** | **METHOD** | | |

| QC1221105 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9335 | ND | 1.000 | mg/L | 93% | | 90-110 | 3 | 20 | 1 |

| | | | |
|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1223508** |
| **Batch:** | **361364** | | |
| **Matrix:** | **Water** | **Method:** | **EPA 410.4** |
| **Prep Method:** | **METHOD** | | |

| QC1223508 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 01/27/25 | 01/27/25 |

| | | | |
|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1223509** |
| **Batch:** | **361364** | | |
| **Matrix:** | **Water** | **Method:** | **EPA 410.4** |
| **Prep Method:** | **METHOD** | | |

| QC1223509 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 105.0 | 100.0 | mg/L | 105% | | 90-110 |

| | | | |
|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1223510** |
| **Batch:** | **361364** | | |
| **Matrix (Source ID):** | **Water (524063-001)** | **Method:** | **EPA 410.4** |
| **Prep Method:** | **METHOD** | | |

| QC1223510 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 106.0 | ND | 100.0 | mg/L | 105% | | 77-120 | 2 |

| | | | |
|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1223511** |
| **Batch:** | **361364** | | |
| **Matrix (Source ID):** | **Water (524063-001)** | **Method:** | **EPA 410.4** |
| **Prep Method:** | **METHOD** | | |

| QC1223511 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 106.0 | ND | 100.0 | mg/L | 105% | | 77-120 | 0 | 20 | 2 |

| | | | |
|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1221213** |
| **Batch:** | **360716** | | |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** |
| **Prep Method:** | **EPA 3015A** | | |

| QC1221213 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0062 | 01/19/25 | 01/20/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 01/19/25 | 01/20/25 |
| Iron | ND | | mg/L | 0.041 | 0.041 | 01/19/25 | 01/20/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 01/19/25 | 01/20/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 01/19/25 | 01/20/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 01/19/25 | 01/20/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 01/19/25 | 01/20/25 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1221214 | Batch: 360716 |
|---|---|---|
| Matrix: Water | Method: EPA 6010B | Prep Method: EPA 3015A |

| QC1221214 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3482 | 0.4000 | mg/L | 87% | | 80-120 |
| Calcium | 18.24 | 20.40 | mg/L | 89% | | 80-120 |
| Iron | 0.3572 | 0.4000 | mg/L | 89% | | 80-120 |
| Magnesium | 18.24 | 20.40 | mg/L | 89% | | 80-120 |
| Manganese | 0.3628 | 0.4000 | mg/L | 91% | | 80-120 |
| Potassium | 20.85 | 24.00 | mg/L | 87% | | 80-120 |
| Sodium | 17.97 | 20.40 | mg/L | 88% | | 80-120 |

| Type: Matrix Spike | Lab ID: QC1221215 | Batch: 360716 |
|---|---|---|
| Matrix (Source ID): Water (524157-001) | Method: EPA 6010B | Prep Method: EPA 3015A |

| QC1221215 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.6545 | 0.3015 | 0.4000 | mg/L | 88% | | 75-125 | 1 |
| Calcium | 70.47 | 53.25 | 20.40 | mg/L | 84% | | 75-125 | 1 |
| Iron | 0.3748 | ND | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Magnesium | 25.30 | 7.390 | 20.40 | mg/L | 88% | | 75-125 | 1 |
| Manganese | 0.4605 | 0.09550 | 0.4000 | mg/L | 91% | | 75-125 | 1 |
| Potassium | 22.56 | 1.240 | 24.00 | mg/L | 89% | | 75-125 | 1 |
| Sodium | 225.2 | 210.2 | 20.40 | mg/L | 74% | NM | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1221216 | Batch: 360716 |
|---|---|---|
| Matrix (Source ID): Water (524157-001) | Method: EPA 6010B | Prep Method: EPA 3015A |

| QC1221216 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.6572 | 0.3015 | 0.4000 | mg/L | 89% | | 75-125 | 0 | 20 | 1 |
| Calcium | 70.47 | 53.25 | 20.40 | mg/L | 84% | | 75-125 | 0 | 20 | 1 |
| Iron | 0.3695 | ND | 0.4000 | mg/L | 92% | | 75-125 | 1 | 20 | 1 |
| Magnesium | 25.37 | 7.390 | 20.40 | mg/L | 88% | | 75-125 | 0 | 20 | 1 |
| Manganese | 0.4525 | 0.09550 | 0.4000 | mg/L | 89% | | 75-125 | 2 | 20 | 1 |
| Potassium | 22.63 | 1.240 | 24.00 | mg/L | 89% | | 75-125 | 0 | 20 | 1 |
| Sodium | 225.4 | 210.2 | 20.40 | mg/L | 74% | NM | 75-125 | 0 | 20 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Serial Dilution** | **Lab ID:** | **QC1221349** | **Batch:** | **360716** |
| **Matrix (Source ID):** | **Water (524157-001)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1221349 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.3134 | 0.3015 | mg/L | | | | 5 |
| Calcium | 54.41 | 53.25 | mg/L | | | | 5 |
| Iron | ND | ND | mg/L | | | | 5 |
| Magnesium | 7.565 | 7.390 | mg/L | | | | 5 |
| Manganese | 0.09604 | 0.09550 | mg/L | | | | 5 |
| Potassium | ND | 1.240 | mg/L | | | | 5 |
| Sodium | 215.8 | 210.2 | mg/L | | | | 5 |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1221300 | **Batch:** 360741 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1221300 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 01/20/25 | 01/20/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 01/20/25 | 01/20/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 01/20/25 | 01/20/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 01/20/25 | 01/20/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| Acetone | ND | | ug/L | 100 | 44 | 01/20/25 | 01/20/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 01/20/25 | 01/20/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 01/20/25 | 01/20/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 01/20/25 | 01/20/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 01/20/25 | 01/20/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 01/20/25 | 01/20/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 01/20/25 | 01/20/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 01/20/25 | 01/20/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 01/20/25 | 01/20/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 01/20/25 | 01/20/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |

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# Batch QC

| QC1221300 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 01/20/25 | 01/20/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 01/20/25 | 01/20/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 01/20/25 | 01/20/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 01/20/25 | 01/20/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 01/20/25 | 01/20/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/20/25 | 01/20/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 01/20/25 | 01/20/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 01/20/25 | 01/20/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 01/20/25 | 01/20/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 01/20/25 | 01/20/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 01/20/25 | 01/20/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 01/20/25 | 01/20/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 01/20/25 | 01/20/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 01/20/25 | 01/20/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 104% | | %REC | 70-130 | | 01/20/25 | 01/20/25 |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 01/20/25 | 01/20/25 |
| Toluene-d8 | 99% | | %REC | 70-130 | | 01/20/25 | 01/20/25 |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 01/20/25 | 01/20/25 |

**Type:** Lab Control Sample **Lab ID:** QC1221399 **Batch:** 360741
**Matrix:** Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1221399 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 58.15 | 50.00 | ug/L | 116% | | 70-135 |
| MTBE | 51.15 | 50.00 | ug/L | 102% | | 70-130 |
| Benzene | 55.32 | 50.00 | ug/L | 111% | | 70-130 |
| Trichloroethene | 56.15 | 50.00 | ug/L | 112% | | 70-130 |
| Toluene | 55.24 | 50.00 | ug/L | 110% | | 70-130 |
| Chlorobenzene | 56.13 | 50.00 | ug/L | 112% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 50.73 | 50.00 | ug/L | 101% | | 70-130 |
| 1,2-Dichloroethane-d4 | 50.10 | 50.00 | ug/L | 100% | | 70-130 |
| Toluene-d8 | 49.71 | 50.00 | ug/L | 99% | | 70-130 |
| Bromofluorobenzene | 48.53 | 50.00 | ug/L | 97% | | 70-130 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1221400 | Batch: | 360741 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524157-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1221400 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.01 | ND | 50.00 | ug/L | 98% | | 70-130 | 1 |
| MTBE | 49.39 | ND | 50.00 | ug/L | 99% | | 75-130 | 1 |
| Benzene | 49.74 | ND | 50.00 | ug/L | 99% | | 70-130 | 1 |
| Trichloroethene | 50.40 | ND | 50.00 | ug/L | 101% | | 63-130 | 1 |
| Toluene | 49.39 | ND | 50.00 | ug/L | 99% | | 70-130 | 1 |
| Chlorobenzene | 50.12 | ND | 50.00 | ug/L | 100% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 50.19 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 50.79 | | 50.00 | ug/L | 102% | | 70-130 | 1 |
| Toluene-d8 | 49.77 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| Bromofluorobenzene | 48.59 | | 50.00 | ug/L | 97% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1221401 | Batch: | 360741 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524157-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1221401 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 39.70 | ND | 50.00 | ug/L | 79% | | 70-130 | 21 | 30 | 1 |
| MTBE | 44.61 | ND | 50.00 | ug/L | 89% | | 75-130 | 10 | 30 | 1 |
| Benzene | 41.12 | ND | 50.00 | ug/L | 82% | | 70-130 | 19 | 30 | 1 |
| Trichloroethene | 40.86 | ND | 50.00 | ug/L | 82% | | 63-130 | 21 | 30 | 1 |
| Toluene | 40.57 | ND | 50.00 | ug/L | 81% | | 70-130 | 20 | 30 | 1 |
| Chlorobenzene | 42.07 | ND | 50.00 | ug/L | 84% | | 70-130 | 17 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 49.69 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 55.12 | | 50.00 | ug/L | 110% | | 70-130 | | | 1 |
| Toluene-d8 | 49.10 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.82 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1221883 | Batch: | 360909 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1221883 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 01/21/25 | 01/22/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 01/21/25 | 01/22/25 |

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1221884** | **Batch:** | **360909** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3535** |

| QC1221884 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.086 | 10.00 | ug/L | 91% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.864 | 10.00 | ug/L | 99% | | 80-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1221885** | **Batch:** | **360909** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3535** |

| QC1221885 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.617 | 10.00 | ug/L | 96% | | 80-120 | 6 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.51 | 10.00 | ug/L | 105% | | 80-120 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1221068** | **Batch:** | **360677** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1221068 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 01/18/25 | 01/18/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1221069** | **Batch:** | **360677** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1221069 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1221336** | **Batch:** | **360677** |
| **Matrix (Source ID):** | **Water (524157-001)** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1221336 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1221337** | **Batch:** | **360677** |
| **Matrix (Source ID):** | **Water (524157-001)** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1221337 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1221041 | Batch: 360669 |
|---|---|---|
| Matrix: Water | Method: SM 5310B | Prep Method: SM 5310B |

| QC1221041 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.24 | 01/18/25 | 01/18/25 |

| Type: Lab Control Sample | Lab ID: QC1221042 | Batch: 360669 |
|---|---|---|
| Matrix: Water | Method: SM 5310B | Prep Method: SM 5310B |

| QC1221042 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 25.71 | 25.00 | mg/L | 103% | | 80-120 |

| Type: Matrix Spike | Lab ID: QC1221043 | Batch: 360669 |
|---|---|---|
| Matrix (Source ID): Water (524157-001) | Method: SM 5310B | Prep Method: SM 5310B |

| QC1221043 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 36.50 | 8.685 | 25.00 | mg/L | 111% | | 80-120 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1221044 | Batch: 360669 |
|---|---|---|
| Matrix (Source ID): Water (524157-001) | Method: SM 5310B | Prep Method: SM 5310B |

| QC1221044 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 36.22 | 8.685 | 25.00 | mg/L | 110% | | 80-120 | 1 | 20 | 1 |

| Type: Blank | Lab ID: QC1221878 | Batch: 360907 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1221878 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 01/21/25 | 01/21/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 01/21/25 | 01/21/25 |

| Type: Lab Control Sample | Lab ID: QC1221879 | Batch: 360907 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1221879 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 977.5 | 1000 | mg/L | 98% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1221880 | Batch: 360907 |
|---|---|---|
| Matrix (Source ID): Water (524211-004) | Method: SM2320B | Prep Method: METHOD |

| QC1221880 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 29.36 | 28.42 | mg/L | | 3 | 20 | 1 |
| Alkalinity, Total as CaCO3 | 29.36 | 28.42 | mg/L | | 3 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type: Blank** | **Lab ID: QC1222278** | **Batch: 361014** |
| **Matrix: Water** | **Method: SM2540C** | **Prep Method: METHOD** |

| QC1222278 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 01/22/25 | 01/24/25 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1222279** | **Batch: 361014** |
| **Matrix: Water** | **Method: SM2540C** | **Prep Method: METHOD** |

| QC1222279 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 982.0 | 1000 | mg/L | 98% | | 90-110 |

| | | |
|---|---|---|
| **Type: Sample Duplicate** | **Lab ID: QC1222280** | **Batch: 361014** |
| **Matrix (Source ID): Water (524157-001)** | **Method: SM2540C** | **Prep Method: METHOD** |

| QC1222280 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 836.0 | 814.0 | mg/L | | 3 | 5 | 2 |

E Response exceeds instrument's linear range
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 524157**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2501A40

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 058321
**Project:** EO-524157

**Project Location:**
**Project Received:** 01/21/2025

Analytical Report reviewed & approved for release on 01/28/2025 by:

Yen Cao
Project Manager

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2501A40

**Project:** EO-524157

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2501A40

**Project:** EO-524157

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2501A40 |
| **Date Received:** | 01/21/2025 10:17 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 01/23/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-524157 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-29 | 2501A40-001A | Water | 01/16/2025 09:18 | GC26 0123251204.D | 310250 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **7800** | 500 | 500 | 10 | 01/23/2025 13:51 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-31 | 2501A40-002A | Water | 01/16/2025 10:13 | GC26 0123251205.D | 310250 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **43,000** | 5000 | 5000 | 100 | 01/23/2025 14:09 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-1 | 2501A40-003A | Water | 01/16/2025 11:06 | GC26 0123251206.D | 310250 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **2300** | 100 | 100 | 2 | 01/23/2025 14:49 |

Analyst(s): PRE

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2501A40 |
| **Date Received:** | 01/21/2025 10:17 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 01/23/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-524157 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-16 | 2501A40-004A | Water | 01/16/2025 12:00 | GC26 0123251207.D | 310250 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1200** | 100 | 100 | 2 | 01/23/2025 15:12 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-3 | 2501A40-005A | Water | 01/16/2025 12:56 | GC26 0123251208.D | 310250 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3100** | 100 | 100 | 2 | 01/23/2025 15:23 |

Analyst(s): PRE

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2501A40 |
| **Date Prepared:** | 01/23/2025 | **BatchID:** | 310250 |
| **Date Analyzed:** | 01/23/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-524157 | **Sample ID:** | MB/LCS/LCSD-310250 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 190 | 160 | 187.2 | 99 | 86 | 70-130 | 14.9 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2501A40** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 058321
Project: EO-524157

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **01/21/2025**
*Date Logged:* **01/21/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2501A40-001 | DW-29 | Water | 1/16/2025 09:18 | ☐ | A | | | | | | | | | | | |
| 2501A40-002 | DW-31 | Water | 1/16/2025 10:13 | ☐ | A | | | | | | | | | | | |
| 2501A40-003 | DW-1 | Water | 1/16/2025 11:06 | ☐ | A | | | | | | | | | | | |
| 2501A40-004 | DW-16 | Water | 1/16/2025 12:00 | ☐ | A | | | | | | | | | | | |
| 2501A40-005 | DW-3 | Water | 1/16/2025 12:56 | ☐ | A | | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | RSK175_CO2_W | 2 | | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Adrianna Cardoza**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-524157 **Work Order:** 2501A40
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 1/21/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-29 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/16/2025 9:18 | 5 days | 1/28/2025 | Present | ☐ | ☐ |
| 002A | DW-31 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/16/2025 10:13 | 5 days | 1/28/2025 | Present | ☐ | ☐ |
| 003A | DW-1 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/16/2025 11:06 | 5 days | 1/28/2025 | None | ☐ | ☐ |
| 004A | DW-16 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/16/2025 12:00 | 5 days | 1/28/2025 | None | ☐ | ☐ |
| 005A | DW-3 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 1/16/2025 12:56 | 5 days | 1/28/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

2501A40

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-058321

Enthalpy Order: EO-524157
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-29 | 16-JAN-2025 09:18 | 524157-001 | 3 | Water | RSK-175 CO2 | |
| DW-31 | 16-JAN-2025 10:13 | 524157-002 | 3 | Water | RSK-175 CO2 | |
| DW-1 | 16-JAN-2025 11:06 | 524157-003 | 3 | Water | RSK-175 CO2 | |
| DW-16 | 16-JAN-2025 12:00 | 524157-004 | 3 | Water | RSK-175 CO2 | |
| DW-3 | 16-JAN-2025 12:56 | 524157-005 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Tris Kelly | |
| | Date: 1/20/25 | Date: 1.21.25 1017 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

4.7 wt IR39

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-524157

Date and Time Received: 1/21/2025 10:17
Date Logged: 1/21/2025
Received by: Adrianna Cardoza
Logged by: Adrianna Cardoza

WorkOrder №: 2501A40 Matrix: Water
Carrier: Golden State Overnight

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | NA | ☐ |
| Custody seals intact on sample bottles? | Yes | ☑ | No | ☐ | NA | ☐ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 4.7°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 525910
Report Level : II
Report Date : 02/25/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 525910<br>GW MONITORING<br>Chiquita Canyon Landfill<br>02/10/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-14 | 525910-001 | 02/10/25 09:13 | Water |
| DW-17 | 525910-002 | 02/10/25 10:42 | Water |
| DW-30 | 525910-003 | 02/10/25 11:58 | Water |
| DW-15 | 525910-004 | 02/10/25 12:49 | Water |
| QCFB | 525910-005 | 02/10/25 12:00 | Water |
| QCTB | 525910-006 | 02/10/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 525910<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill<br>Date Received: 02/10/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 02/11/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recoveries were observed for trichloroethene in the MS/MSD for batch 363206; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits.
- N-butylbenzene, 1,2,4-trichlorobenzene, and 1,2,4-trimethylbenzene were detected between the MDL and the RL in the method blank for batch 362645; these analytes were not detected in samples at or above the RL.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 525910

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

**Test Instructions / Comments:** Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-14 | 2/10/25 | 913 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-17 | | 1042 | | | | X | X | X | X | X | X | X | X | X |
| 3 | DW-30 | | 1158 | | | | X | X | X | X | X | X | X | X | X |
| 4 | DW-15 | | 1249 | | | | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | | 1200 | | 3 | | X | | | | | | | | |
| 6 | QCTB | — | — | | 2 | | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 2/10/25 1355 |
| [1] Received By: | | Rene C. | EA NH | 2/10/25 1355 |
| [2] Relinquished By: | | Rene C. | EA NH | 2/11/25 10:23 |
| [2] Received By: | | Hao Mao | EA | 2/11/25 10:23 |
| [3] Relinquished By: | | Hao Mao | EA | 2/11/25 11:00 |
| [3] Received By: | | G. Kim | EA | 2/11/25 1100 |

IR11 4.5 / 4.6

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 2·10·25 WO# 525910 Client: Chiquita Canyon

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2·10·25 By (initials) JWL Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR03 CF: -0.2C -0.7C

Cooler Temp (°C) #1: 15.5 / 14.8 #2: 15.2 / 14.5 #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? GCK | X | | ✓ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** 2/10/25 **By (print)** AES **(sign)** ____

**Date Labeled** 2/11/25 **By (print)** DEP / NCM **(sign)** ____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 2/11/25 WO# 525910 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☑ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/11/25 By (initials) HNT Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 4.5/4.6 #2: _____/_____ #3: _____/_____ #4: _____/_____ #5: _____/_____ #6: _____/_____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 2/10/25 **By (print)** AES **(sign)** _____

**Date Labeled** 2/11/25 **By (print)** DEP/NCM **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 525910

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525910
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 02/10/25

**Sample ID: DW-14** **Lab ID: 525910-001** **Collected: 02/10/25 09:13**
**Matrix: Water**

| 525910-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.39** | | mg/L | 0.20 | 0.073 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 22:23 | KUM |
| Chloride | **94** | | mg/L | 1.0 | 0.27 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 22:23 | KUM |
| Bromide | **0.12** | J | mg/L | 0.30 | 0.060 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 22:23 | KUM |
| Nitrogen, Nitrate | **0.32** | | mg/L | 0.10 | 0.05 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 22:23 | KUM |
| Sulfate | **30** | | mg/L | 1.0 | 0.18 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 22:23 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 363789 | 02/21/25 | 02/24/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 363182 | 02/15/25 | 02/15/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.11** | | mg/L | 0.050 | 0.0055 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Calcium | **2.4** | | mg/L | 0.57 | 0.57 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Iron | **0.13** | | mg/L | 0.046 | 0.046 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Magnesium | **0.16** | | mg/L | 0.10 | 0.025 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Potassium | **0.45** | J | mg/L | 0.50 | 0.40 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Sodium | **140** | | mg/L | 0.50 | 0.35 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| 525910-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| 525910-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103% | | %REC | 70-130 | | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Toluene-d8 | 94% | | %REC | 70-130 | | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 363206 | 02/16/25 | 02/16/25 | EJB |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 362743 | 02/11/25 | 02/13/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 103% | | %REC | 80-120 | | 1 | 362743 | 02/11/25 | 02/13/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 362961 | 02/13/25 | 02/13/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 363243 | 02/17/25 | 02/18/25 | DXA |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **150** | | mg/L | 5.0 | | 2.5 | 362892 | 02/12/25 | 02/12/25 | WWC |
| Alkalinity, Total as CaCO3 | **210** | | mg/L | 5.0 | | 2.5 | 362892 | 02/12/25 | 02/12/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **410** | | mg/L | 20 | | 2 | 363054 | 02/14/25 | 02/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| Sample ID: DW-17 | Lab ID: 525910-002 | Collected: 02/10/25 10:42 |
|---|---|---|
| | Matrix: Water | |

| 525910-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.16** | J | mg/L | 0.20 | 0.073 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 22:39 | KUM |
| Chloride | **150** | | mg/L | 1.0 | 0.27 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 22:39 | KUM |
| Bromide | **0.30** | J | mg/L | 0.30 | 0.060 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 22:39 | KUM |
| Nitrogen, Nitrate | **0.99** | | mg/L | 0.10 | 0.05 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 22:39 | KUM |
| Sulfate | **180** | | mg/L | 10 | 1.8 | 10 | 362706 | 02/11/25 15:00 | 02/11/25 22:56 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 363789 | 02/21/25 | 02/24/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 363182 | 02/15/25 | 02/15/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.084** | | mg/L | 0.050 | 0.0055 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Calcium | **4.6** | | mg/L | 0.57 | 0.57 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Magnesium | **0.13** | | mg/L | 0.10 | 0.025 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Manganese | **0.0043** | J | mg/L | 0.010 | 0.0029 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Potassium | **0.63** | | mg/L | 0.50 | 0.40 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Sodium | **220** | | mg/L | 0.50 | 0.35 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| 525910-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 525910

| 525910-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 362743 | 02/11/25 | 02/13/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 108% | | %REC | 80-120 | | 1 | 362743 | 02/11/25 | 02/13/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 362961 | 02/13/25 | 02/13/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.1** | | mg/L | 1.0 | 0.68 | 1 | 363243 | 02/17/25 | 02/18/25 | DXA |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **110** | | mg/L | 5.0 | | 2.5 | 362892 | 02/12/25 | 02/12/25 | WWC |
| Alkalinity, Total as CaCO3 | **160** | | mg/L | 5.0 | | 2.5 | 362892 | 02/12/25 | 02/12/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **680** | | mg/L | 20 | | 2 | 363054 | 02/14/25 | 02/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| Sample ID: DW-30 | Lab ID: 525910-003 | Collected: 02/10/25 11:58 |
|---|---|---|
| | Matrix: Water | |

| 525910-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.86** | | mg/L | 0.20 | 0.073 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 23:13 | KUM |
| Chloride | **57** | | mg/L | 1.0 | 0.27 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 23:13 | KUM |
| Bromide | **0.13** | J | mg/L | 0.30 | 0.060 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 23:13 | KUM |
| Nitrogen, Nitrate | **0.19** | | mg/L | 0.10 | 0.05 | 1 | 362706 | 02/11/25 15:00 | 02/11/25 23:13 | KUM |
| Sulfate | **300** | | mg/L | 10 | 1.8 | 10 | 362706 | 02/11/25 15:00 | 02/12/25 00:04 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 363789 | 02/21/25 | 02/24/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 363182 | 02/15/25 | 02/15/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.20** | | mg/L | 0.050 | 0.0055 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Calcium | **35** | | mg/L | 0.57 | 0.57 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Iron | **0.10** | | mg/L | 0.046 | 0.046 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Magnesium | **5.6** | | mg/L | 0.10 | 0.025 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Manganese | **0.044** | | mg/L | 0.010 | 0.0029 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Potassium | **1.5** | | mg/L | 0.50 | 0.40 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Sodium | **190** | | mg/L | 0.50 | 0.35 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| 525910-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Tetrachloroethene | **0.5** | J | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 112% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 525910

| 525910-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 362743 | 02/11/25 | 02/13/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 362743 | 02/11/25 | 02/13/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 362961 | 02/13/25 | 02/13/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.3** | | mg/L | 1.0 | 0.68 | 1 | 363243 | 02/17/25 | 02/18/25 | DXA |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 362892 | 02/12/25 | 02/12/25 | WWC |
| Alkalinity, Total as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 362892 | 02/12/25 | 02/12/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **730** | | mg/L | 20 | | 2 | 363054 | 02/14/25 | 02/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| Sample ID: DW-15 | Lab ID: 525910-004 | Collected: 02/10/25 12:49 |
|---|---|---|
| | Matrix: Water | |

| 525910-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.086** | J | mg/L | 0.20 | 0.073 | 1 | 362706 | 02/11/25 15:00 | 02/12/25 00:21 | KUM |
| Chloride | **72** | | mg/L | 1.0 | 0.27 | 1 | 362706 | 02/11/25 15:00 | 02/12/25 00:21 | KUM |
| Bromide | **0.16** | J | mg/L | 0.30 | 0.060 | 1 | 362706 | 02/11/25 15:00 | 02/12/25 00:21 | KUM |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 362706 | 02/11/25 15:00 | 02/12/25 00:21 | KUM |
| Sulfate | **1,400** | | mg/L | 20 | 3.7 | 20 | 362706 | 02/11/25 15:00 | 02/12/25 00:37 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.11** | | mg/L | 0.10 | 0.050 | 1 | 363789 | 02/21/25 | 02/24/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **2.0** | J | mg/L | 4.0 | 1.6 | 1 | 363182 | 02/15/25 | 02/15/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.21** | | mg/L | 0.050 | 0.0055 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Calcium | **230** | | mg/L | 0.57 | 0.57 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Iron | **0.86** | | mg/L | 0.046 | 0.046 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Magnesium | **32** | | mg/L | 0.10 | 0.025 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Manganese | **0.59** | | mg/L | 0.010 | 0.0029 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Potassium | **2.6** | | mg/L | 0.50 | 0.40 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Sodium | **390** | | mg/L | 0.50 | 0.35 | 1 | 362734 | 02/11/25 | 02/11/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| 525910-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,4-Dichlorobenzene | **0.2** | J | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Toluene-d8 | 96% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 525910

| 525910-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 362743 | 02/11/25 | 02/13/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 362743 | 02/11/25 | 02/13/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 362961 | 02/13/25 | 02/13/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.8** | | mg/L | 1.0 | 0.68 | 1 | 363243 | 02/17/25 | 02/18/25 | DXA |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 362892 | 02/12/25 | 02/12/25 | WWC |
| Alkalinity, Total as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 362892 | 02/12/25 | 02/12/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **2,400** | | mg/L | 20 | | 2 | 363054 | 02/14/25 | 02/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| Sample ID: QCFB | Lab ID: 525910-005 | Collected: 02/10/25 12:00 |
|---|---|---|
| | Matrix: Water | |

| 525910-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloroform | **0.6** | J | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| 525910-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 112% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloroethane-d4 | 114% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Toluene-d8 | 96% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| Sample ID: QCTB | Lab ID: 525910-006 | Collected: 02/10/25 |
|---|---|---|
| | Matrix: Water | |

| 525910-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chloroform | **0.6** | J | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525910

| 525910-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 112% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| 1,2-Dichloroethane-d4 | 115% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |
| Bromofluorobenzene | 121% | | %REC | 70-130 | | 1 | 362645 | 02/11/25 | 02/11/25 | ZST |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1228164** | **Batch:** | **362706** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1228164 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 02/11/25 15:00 | 02/11/25 17:19 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 02/11/25 15:00 | 02/11/25 17:19 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 02/11/25 15:00 | 02/11/25 17:19 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 02/11/25 15:00 | 02/11/25 17:19 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 02/11/25 15:00 | 02/11/25 17:19 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1228165** | **Batch:** | **362706** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1228165 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.510 | 10.00 | mg/L | 95% | | 90-110 |
| Chloride | 47.39 | 50.00 | mg/L | 95% | | 90-110 |
| Bromide | 14.63 | 15.00 | mg/L | 98% | | 90-110 |
| Nitrogen, Nitrate | 4.323 | 4.518 | mg/L | 96% | | 90-110 |
| Sulfate | 24.26 | 25.00 | mg/L | 97% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1228168** | **Batch:** | **362706** |
| **Matrix (Source ID):** | **Water (525850-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1228168 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.23 | 0.2553 | 20.00 | mg/L | 100% | | 80-120 | 1 |
| Chloride | 151.4 | 49.91 | 100.0 | mg/L | 102% | | 80-120 | 1 |
| Bromide | 14.92 | 0.1189 | 15.00 | mg/L | 99% | | 80-120 | 1 |
| Nitrogen, Nitrate | 12.09 | 3.131 | 9.036 | mg/L | 99% | | 80-120 | 1 |
| Sulfate | 62.98 | 13.20 | 50.00 | mg/L | 100% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1228169** | **Batch:** | **362706** |
| **Matrix (Source ID):** | **Water (525850-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1228169 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.54 | 0.2553 | 20.00 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |
| Chloride | 152.9 | 49.91 | 100.0 | mg/L | 103% | | 80-120 | 1 | 20 | 1 |
| Bromide | 15.14 | 0.1189 | 15.00 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 12.22 | 3.131 | 9.036 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 63.70 | 13.20 | 50.00 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1231874** | **Batch:** | **363789** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1231874 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.036 | 1.000 | mg/L | 104% | | 90-110 |

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# Batch QC

| Type: Blank | Lab ID: QC1231875 | Batch: 363789 |
|---|---|---|
| Matrix: Water | Method: EPA 350.1 | Prep Method: METHOD |

| QC1231875 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 02/21/25 | 02/24/25 |

| Type: Matrix Spike | Lab ID: QC1232124 | Batch: 363789 |
|---|---|---|
| Matrix (Source ID): Water (525502-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1232124 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.359 | 0.3081 | 1.000 | mg/L | 105% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1232125 | Batch: 363789 |
|---|---|---|
| Matrix (Source ID): Water (525502-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1232125 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.385 | 0.3081 | 1.000 | mg/L | 108% | | 90-110 | 2 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1232126 | Batch: 363789 |
|---|---|---|
| Matrix (Source ID): Water (525701-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1232126 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.284 | 0.2693 | 1.000 | mg/L | 101% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1232127 | Batch: 363789 |
|---|---|---|
| Matrix (Source ID): Water (525701-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1232127 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.367 | 0.2693 | 1.000 | mg/L | 110% | | 90-110 | 6 | 20 | 1 |

| Type: Blank | Lab ID: QC1229759 | Batch: 363182 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1229759 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 02/15/25 | 02/15/25 |

| Type: Lab Control Sample | Lab ID: QC1229760 | Batch: 363182 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1229760 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 107.0 | 100.0 | mg/L | 107% | | 90-110 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1229761** | **Batch:** | **363182** |
| **Matrix (Source ID):** | **Water (525910-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1229761 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 114.0 | ND | 100.0 | mg/L | 114% | | 75-125 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1229762** | **Batch:** | **363182** |
| **Matrix (Source ID):** | **Water (525910-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1229762 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 110.0 | ND | 100.0 | mg/L | 110% | | 75-125 | 4 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1228219** | **Batch:** | **362734** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1228219 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 02/11/25 | 02/11/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 02/11/25 | 02/11/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 02/11/25 | 02/11/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 02/11/25 | 02/11/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 02/11/25 | 02/11/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 02/11/25 | 02/11/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 02/11/25 | 02/11/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1228220** | **Batch:** | **362734** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1228220 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3488 | 0.4000 | mg/L | 87% | | 80-120 |
| Calcium | 18.26 | 20.40 | mg/L | 90% | | 80-120 |
| Iron | 0.3569 | 0.4000 | mg/L | 89% | | 80-120 |
| Magnesium | 17.99 | 20.40 | mg/L | 88% | | 80-120 |
| Manganese | 0.3553 | 0.4000 | mg/L | 89% | | 80-120 |
| Potassium | 20.62 | 24.00 | mg/L | 86% | | 80-120 |
| Sodium | 17.93 | 20.40 | mg/L | 88% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1228221 | Batch: | 362734 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525910-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1228221 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.4681 | 0.1145 | 0.4000 | mg/L | 88% | | 75-125 | 1 |
| Calcium | 20.72 | 2.428 | 20.40 | mg/L | 90% | | 75-125 | 1 |
| Iron | 0.4938 | 0.1263 | 0.4000 | mg/L | 92% | | 75-125 | 1 |
| Magnesium | 18.13 | 0.1591 | 20.40 | mg/L | 88% | | 75-125 | 1 |
| Manganese | 0.3564 | ND | 0.4000 | mg/L | 89% | | 75-125 | 1 |
| Potassium | 21.14 | 0.4503 | 24.00 | mg/L | 86% | | 75-125 | 1 |
| Sodium | 154.5 | 136.3 | 20.40 | mg/L | 89% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1228222 | Batch: | 362734 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525910-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1228222 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4723 | 0.1145 | 0.4000 | mg/L | 89% | | 75-125 | 1 | 20 | 1 |
| Calcium | 20.78 | 2.428 | 20.40 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Iron | 0.5006 | 0.1263 | 0.4000 | mg/L | 94% | | 75-125 | 1 | 20 | 1 |
| Magnesium | 18.17 | 0.1591 | 20.40 | mg/L | 88% | | 75-125 | 0 | 20 | 1 |
| Manganese | 0.3594 | ND | 0.4000 | mg/L | 90% | | 75-125 | 1 | 20 | 1 |
| Potassium | 21.21 | 0.4503 | 24.00 | mg/L | 86% | | 75-125 | 0 | 20 | 1 |
| Sodium | 155.5 | 136.3 | 20.40 | mg/L | 94% | NM | 75-125 | 1 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1228617 | Batch: | 362734 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525910-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1228617 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.1132 | 0.1145 | mg/L | J | | | 5 |
| Calcium | ND | 2.428 | mg/L | | | | 5 |
| Iron | ND | 0.1263 | mg/L | | | | 5 |
| Magnesium | 0.1607 | 0.1591 | mg/L | J | | | 5 |
| Manganese | ND | ND | mg/L | | | | 5 |
| Potassium | ND | 0.4503 | mg/L | | | | 5 |
| Sodium | 130.7 | 136.3 | mg/L | | | | 5 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1227951 | Batch: 362645 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1227951 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 51.99 | 50.00 | ug/L | 104% | | 70-135 |
| MTBE | 47.80 | 50.00 | ug/L | 96% | | 70-130 |
| Benzene | 54.44 | 50.00 | ug/L | 109% | | 70-130 |
| Trichloroethene | 55.96 | 50.00 | ug/L | 112% | | 70-130 |
| Toluene | 52.64 | 50.00 | ug/L | 105% | | 70-130 |
| Chlorobenzene | 53.09 | 50.00 | ug/L | 106% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.99 | 50.00 | ug/L | 104% | | 70-130 |
| 1,2-Dichloroethane-d4 | 50.38 | 50.00 | ug/L | 101% | | 70-130 |
| Toluene-d8 | 48.22 | 50.00 | ug/L | 96% | | 70-130 |
| Bromofluorobenzene | 47.53 | 50.00 | ug/L | 95% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1227952 | Batch: 362645 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1227952 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46.37 | 50.00 | ug/L | 93% | | 70-135 | 11 | 30 |
| MTBE | 43.62 | 50.00 | ug/L | 87% | | 70-130 | 9 | 30 |
| Benzene | 49.73 | 50.00 | ug/L | 99% | | 70-130 | 9 | 30 |
| Trichloroethene | 51.86 | 50.00 | ug/L | 104% | | 70-130 | 8 | 30 |
| Toluene | 48.35 | 50.00 | ug/L | 97% | | 70-130 | 8 | 30 |
| Chlorobenzene | 49.77 | 50.00 | ug/L | 100% | | 70-130 | 6 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.19 | 50.00 | ug/L | 104% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 50.42 | 50.00 | ug/L | 101% | | 70-130 | | |
| Toluene-d8 | 48.46 | 50.00 | ug/L | 97% | | 70-130 | | |
| Bromofluorobenzene | 48.35 | 50.00 | ug/L | 97% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1227957 | **Batch:** 362645 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1227957 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 02/11/25 | 02/11/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 02/11/25 | 02/11/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 02/11/25 | 02/11/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 02/11/25 | 02/11/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| Acetone | ND | | ug/L | 100 | 44 | 02/11/25 | 02/11/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 02/11/25 | 02/11/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 02/11/25 | 02/11/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 02/11/25 | 02/11/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 02/11/25 | 02/11/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 02/11/25 | 02/11/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 02/11/25 | 02/11/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 02/11/25 | 02/11/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 02/11/25 | 02/11/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 02/11/25 | 02/11/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |

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# Batch QC

| QC1227957 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 02/11/25 | 02/11/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 02/11/25 | 02/11/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 02/11/25 | 02/11/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 02/11/25 | 02/11/25 |
| 1,2,4-Trimethylbenzene | 0.3 | J | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 02/11/25 | 02/11/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| n-Butylbenzene | 0.2 | J | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/11/25 | 02/11/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 02/11/25 | 02/11/25 |
| 1,2,4-Trichlorobenzene | 0.2 | J | ug/L | 5.0 | 0.2 | 02/11/25 | 02/11/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 02/11/25 | 02/11/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 02/11/25 | 02/11/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 02/11/25 | 02/11/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 02/11/25 | 02/11/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 02/11/25 | 02/11/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 02/11/25 | 02/11/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 02/11/25 | 02/11/25 |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 02/11/25 | 02/11/25 |
| Toluene-d8 | 97% | | %REC | 70-130 | | 02/11/25 | 02/11/25 |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 02/11/25 | 02/11/25 |

**Type:** Matrix Spike **Lab ID:** QC1228059 **Batch:** 362645
**Matrix (Source ID):** Water (525912-008) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1228059 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 1,089 | ND | 1000 | ug/L | 109% | | 70-130 | 50 |
| MTBE | 960.3 | ND | 1000 | ug/L | 96% | | 75-130 | 50 |
| Benzene | 1,145 | 14.42 | 1000 | ug/L | 113% | | 70-130 | 50 |
| Trichloroethene | 1,225 | ND | 1000 | ug/L | 123% | | 63-130 | 50 |
| Toluene | 1,149 | 23.11 | 1000 | ug/L | 113% | | 70-130 | 50 |
| Chlorobenzene | 1,156 | ND | 1000 | ug/L | 116% | | 70-130 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,601 | | 2500 | ug/L | 104% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,488 | | 2500 | ug/L | 100% | | 70-130 | 50 |
| Toluene-d8 | 2,422 | | 2500 | ug/L | 97% | | 70-130 | 50 |
| Bromofluorobenzene | 2,311 | | 2500 | ug/L | 92% | | 70-130 | 50 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1228060** | **Batch:** | **362645** |
| **Matrix (Source ID):** | **Water (525912-008)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1228060 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 1,097 | ND | 1000 | ug/L | 110% | | 70-130 | 1 | 30 | 50 |
| MTBE | 992.2 | ND | 1000 | ug/L | 99% | | 75-130 | 3 | 30 | 50 |
| Benzene | 1,171 | 14.42 | 1000 | ug/L | 116% | | 70-130 | 2 | 30 | 50 |
| Trichloroethene | 1,224 | ND | 1000 | ug/L | 122% | | 63-130 | 0 | 30 | 50 |
| Toluene | 1,134 | 23.11 | 1000 | ug/L | 111% | | 70-130 | 1 | 30 | 50 |
| Chlorobenzene | 1,150 | ND | 1000 | ug/L | 115% | | 70-130 | 1 | 30 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,630 | | 2500 | ug/L | 105% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,649 | | 2500 | ug/L | 106% | | 70-130 | | | 50 |
| Toluene-d8 | 2,400 | | 2500 | ug/L | 96% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,546 | | 2500 | ug/L | 102% | | 70-130 | | | 50 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1229868** | **Batch:** | **363206** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1229868 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 02/16/25 | 02/16/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 02/16/25 | 02/16/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 02/16/25 | 02/16/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Acetone | ND | | ug/L | 100 | 16 | 02/16/25 | 02/16/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 02/16/25 | 02/16/25 |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 02/16/25 | 02/16/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 02/16/25 | 02/16/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 02/16/25 | 02/16/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 02/16/25 | 02/16/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 02/16/25 | 02/16/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 02/16/25 | 02/16/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 02/16/25 | 02/16/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 02/16/25 | 02/16/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 02/16/25 | 02/16/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |

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# Batch QC

| QC1229868 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 02/16/25 | 02/16/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 02/16/25 | 02/16/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 02/16/25 | 02/16/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 02/16/25 | 02/16/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 02/16/25 | 02/16/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 02/16/25 | 02/16/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 100% | | %REC | 70-130 | | 02/16/25 | 02/16/25 |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 02/16/25 | 02/16/25 |
| Toluene-d8 | 94% | | %REC | 70-130 | | 02/16/25 | 02/16/25 |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 02/16/25 | 02/16/25 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1229869** | **Batch: 363206** |
| **Matrix: Water** | **Method: EPA 8260B** | **Prep Method: EPA 5030B** |

| QC1229869 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46.56 | 50.00 | ug/L | 93% | | 70-135 |
| MTBE | 47.53 | 50.00 | ug/L | 95% | | 70-130 |
| Benzene | 44.93 | 50.00 | ug/L | 90% | | 70-130 |
| Trichloroethene | 42.30 | 50.00 | ug/L | 85% | | 70-130 |
| Toluene | 42.47 | 50.00 | ug/L | 85% | | 70-130 |
| Chlorobenzene | 43.74 | 50.00 | ug/L | 87% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.60 | 50.00 | ug/L | 103% | | 70-130 |
| 1,2-Dichloroethane-d4 | 50.00 | 50.00 | ug/L | 100% | | 70-130 |
| Toluene-d8 | 47.53 | 50.00 | ug/L | 95% | | 70-130 |
| Bromofluorobenzene | 51.33 | 50.00 | ug/L | 103% | | 70-130 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1229870** | **Batch:** | **363206** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1229870 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 47.28 | 50.00 | ug/L | 95% | | 70-135 | 2 | 30 |
| MTBE | 47.53 | 50.00 | ug/L | 95% | | 70-130 | 0 | 30 |
| Benzene | 45.55 | 50.00 | ug/L | 91% | | 70-130 | 1 | 30 |
| Trichloroethene | 42.01 | 50.00 | ug/L | 84% | | 70-130 | 1 | 30 |
| Toluene | 42.02 | 50.00 | ug/L | 84% | | 70-130 | 1 | 30 |
| Chlorobenzene | 43.43 | 50.00 | ug/L | 87% | | 70-130 | 1 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.08 | 50.00 | ug/L | 104% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 50.18 | 50.00 | ug/L | 100% | | 70-130 | | |
| Toluene-d8 | 47.17 | 50.00 | ug/L | 94% | | 70-130 | | |
| Bromofluorobenzene | 50.88 | 50.00 | ug/L | 102% | | 70-130 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1229878** | **Batch:** | **363206** |
| **Matrix (Source ID):** | **Water (525628-009)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1229878 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 950.7 | ND | 1000 | ug/L | 95% | | 70-130 | 50 |
| MTBE | 1,023 | ND | 1000 | ug/L | 102% | | 75-130 | 50 |
| Benzene | 969.4 | ND | 1000 | ug/L | 97% | | 70-130 | 50 |
| Trichloroethene | 2,731 | 2308 | 1000 | ug/L | 42% | * | 63-130 | 50 |
| Toluene | 880.1 | ND | 1000 | ug/L | 88% | | 70-130 | 50 |
| Chlorobenzene | 911.6 | ND | 1000 | ug/L | 91% | | 70-130 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,526 | | 2500 | ug/L | 101% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,498 | | 2500 | ug/L | 100% | | 70-130 | 50 |
| Toluene-d8 | 2,342 | | 2500 | ug/L | 94% | | 70-130 | 50 |
| Bromofluorobenzene | 2,498 | | 2500 | ug/L | 100% | | 70-130 | 50 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1229879 | Batch: | 363206 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525628-009) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1229879 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 973.4 | ND | 1000 | ug/L | 97% | | 70-130 | 2 | 30 | 50 |
| MTBE | 1,017 | ND | 1000 | ug/L | 102% | | 75-130 | 1 | 30 | 50 |
| Benzene | 978.5 | ND | 1000 | ug/L | 98% | | 70-130 | 1 | 30 | 50 |
| Trichloroethene | 2,712 | 2308 | 1000 | ug/L | 40% | * | 63-130 | 1 | 30 | 50 |
| Toluene | 902.1 | ND | 1000 | ug/L | 90% | | 70-130 | 2 | 30 | 50 |
| Chlorobenzene | 926.6 | ND | 1000 | ug/L | 93% | | 70-130 | 2 | 30 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,502 | | 2500 | ug/L | 100% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,478 | | 2500 | ug/L | 99% | | 70-130 | | | 50 |
| Toluene-d8 | 2,366 | | 2500 | ug/L | 95% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,489 | | 2500 | ug/L | 100% | | 70-130 | | | 50 |

| Type: | Blank | Lab ID: | QC1228251 | Batch: | 362743 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1228251 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 02/11/25 | 02/12/25 |
| **Surrogates** | | | | Limits | | | |
| 1,4-Dioxane-d8 (SUR) | 98% | | %REC | 80-120 | | 02/11/25 | 02/12/25 |

| Type: | Lab Control Sample | Lab ID: | QC1228252 | Batch: | 362743 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1228252 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.068 | 10.00 | ug/L | 91% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.20 | 10.00 | ug/L | 102% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1228253 | Batch: | 362743 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1228253 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.853 | 10.00 | ug/L | 89% | | 80-120 | 2 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.808 | 10.00 | ug/L | 98% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1228995 | Batch: | 362961 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1228995 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 02/13/25 | 02/13/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1228996 **Batch:** 362961
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1228996 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1228997 **Batch:** 362961
**Matrix (Source ID):** Water (525628-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1228997 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1228998 **Batch:** 362961
**Matrix (Source ID):** Water (525628-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1228998 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1229988 **Batch:** 363243
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1229988 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 02/17/25 | 02/17/25 |

**Type:** Lab Control Sample **Lab ID:** QC1229989 **Batch:** 363243
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1229989 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 24.19 | 25.00 | mg/L | 97% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1229990 **Batch:** 363243
**Matrix (Source ID):** Water (525889-003) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1229990 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.87 | 5.305 | 25.00 | mg/L | 98% | | 75-125 | 2 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1229991 **Batch:** 363243
**Matrix (Source ID):** Water (525889-003) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1229991 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.74 | 5.305 | 25.00 | mg/L | 98% | | 75-125 | 0 | 25 | 2 |

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# Batch QC

| Type: Blank | Lab ID: QC1228751 | Batch: 362892 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1228751 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 02/12/25 | 02/12/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 02/12/25 | 02/12/25 |

| Type: Lab Control Sample | Lab ID: QC1228752 | Batch: 362892 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1228752 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 998.2 | 1000 | mg/L | 100% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1228753 | Batch: 362892 |
|---|---|---|
| Matrix (Source ID): Water (525910-004) | Method: SM2320B | Prep Method: METHOD |

| QC1228753 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 204.0 | 201.6 | mg/L | | 1 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 204.0 | 201.6 | mg/L | | 1 | 20 | 2.5 |

| Type: Blank | Lab ID: QC1229339 | Batch: 363054 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1229339 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 02/14/25 | 02/15/25 |

| Type: Lab Control Sample | Lab ID: QC1229340 | Batch: 363054 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1229340 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,012 | 1000 | mg/L | 101% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1229341 | Batch: 363054 |
|---|---|---|
| Matrix (Source ID): Water (525702-001) | Method: SM2540C | Prep Method: METHOD |

| QC1229341 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 184.0 | 176.0 | mg/L | | 4 | 5 | 2 |

| Type: Sample Duplicate | Lab ID: QC1229342 | Batch: 363054 |
|---|---|---|
| Matrix (Source ID): Water (525860-002) | Method: SM2540C | Prep Method: METHOD |

| QC1229342 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 264.0 | 256.0 | mg/L | | 3 | 5 | 2 |

# Batch QC

| | |
|---|---|
| * | Value is outside QC limits |
| J | Estimated value |
| ND | Not Detected |
| NM | Not Meaningful |

**Laboratory Job Number 525910**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2502851

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-525910; Chiquita Canyon Landfill

**Project Location:**
**Project Received:** 02/12/2025

Analytical Report reviewed & approved for release on 02/18/2025 by:

Jena Alfaro
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

McCampbell Analytical, Inc.
*"When Quality Counts"*

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502851

**Project:** EO-525910; Chiquita Canyon Landfill

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502851

**Project:** EO-525910; Chiquita Canyon Landfill

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502851 |
| **Date Received:** | 02/12/2025 8:48 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 02/14/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-525910; Chiquita Canyon Landfill | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-14 | 2502851-001A | Water | 02/10/2025 09:13 | GC26 0214250907.D | 311501 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **450** | 50 | 50 | 1 | 02/14/2025 14:16 |

Analyst(s): JEM

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-17 | 2502851-002A | Water | 02/10/2025 10:42 | GC26 0214250908.D | 311501 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **400** | 50 | 50 | 1 | 02/14/2025 14:29 |

Analyst(s): JEM

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-30 | 2502851-003A | Water | 02/10/2025 11:58 | GC26 0214250909.D | 311501 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **750** | 50 | 50 | 1 | 02/14/2025 15:03 |

Analyst(s): JEM

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502851 |
| **Date Received:** | 02/12/2025 8:48 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 02/14/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-525910; Chiquita Canyon Landfill | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-15 | 2502851-004A | Water | 02/10/2025 12:49 | GC26 0214250905.D | 311501 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **20,000** | 1000 | 1000 | 20 | 02/14/2025 18:07 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502851 |
| **Date Prepared:** | 02/14/2025 | **BatchID:** | 311501 |
| **Date Analyzed:** | 02/14/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-525910; Chiquita Canyon Landfill | **Sample ID:** | MB/LCS/LCSD-311501 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 160 | 160 | 187.2 | 85 | 84 | 70-130 | 1.10 | 30 |

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# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2502851** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-525910; Chiquita Canyon Landfill

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 2 days;**

*Date Received:* **02/12/2025**
*Date Logged:* **02/12/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2502851-001 | DW-14 | Water | 2/10/2025 09:13 | ☐ | A | A | A | | | | | | | | | |
| 2502851-002 | DW-17 | Water | 2/10/2025 10:42 | ☐ | A | | A | | | | | | | | | |
| 2502851-003 | DW-30 | Water | 2/10/2025 11:58 | ☐ | A | | A | | | | | | | | | |
| 2502851-004 | DW-15 | Water | 2/10/2025 12:49 | ☐ | A | | A | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | PREDD_Excel | 3 | RSK175_CO2_W | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Natalie Zaragoza**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-525910; Chiquita Canyon Landfill
**Comments:**

**Work Order:** 2502851
**QC Level:** LEVEL 2
**Date Logged:** 2/12/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-14 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 2/10/2025 9:13 | 2 days | 2/14/2025 | Present | ☐ | ☐ |
| 002A | DW-17 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 2/10/2025 10:42 | 2 days | 2/14/2025 | Present | ☐ | ☐ |
| 003A | DW-30 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 2/10/2025 11:58 | 2 days | 2/14/2025 | Present | ☐ | ☐ |
| 004A | DW-15 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 2/10/2025 12:49 | 2 days | 2/14/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

Enthalpy Analytical - Orange 2502851
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

**HOLD TIME RUSH**

Enthalpy Order: EO-525910
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-14 | 10-FEB-2025 09:13 | 525910-001 | 3 | Water | RSK-175 CO2 | |
| DW-17 | 10-FEB-2025 10:42 | 525910-002 | 3 | Water | RSK-175 CO2 | |
| DW-30 | 10-FEB-2025 11:58 | 525910-003 | 3 | Water | RSK-175 CO2 | |
| DW-15 | 10-FEB-2025 12:49 | 525910-004 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Montoya EA-ORA | |
| | Date: 2/11/25 1730 | Date: |
| | | Natalie Crump |
| | Date: | Date: 2/12/25 0848 |
| | | |
| | Date: | Date: |

GLS: 562628525

0.3 wk IR39

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# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 2/12/2025 08:48 |
| Project: | EO-525910; Chiquita Canyon Landfill | Date Logged: | 2/12/2025 |
| | | Received by: | Natalie Zaragoza |
| WorkOrder №: | 2502851 Matrix: | Logged by: | Natalie Zaragoza |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☐ | No ☑ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☐ | No ☐ | NA ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | NA ☑ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 0.3°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☑ | No ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 525994
Report Level : II
Report Date : 02/26/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 525994<br>GW MONITORING<br>Chiquita Canyon Landfill<br>02/11/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-28 | 525994-001 | 02/11/25 09:16 | Water |
| DW-8 | 525994-002 | 02/11/25 10:35 | Water |
| PZ-4 | 525994-003 | 02/11/25 12:46 | Water |
| QCFB | 525994-004 | 02/11/25 10:37 | Water |
| QCTB | 525994-005 | 02/11/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 525994<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill<br>Date Received: 02/11/25 |

This data package contains sample and QC results for five water samples, requested for the above referenced project on 02/12/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

**Chain of Custody Record**

Lab No: 525994

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |

**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-28 | 2/11/25 | 916 | W | 13 | var. | X | X | X | X | X | X | X | X | X | |
| 2 | DW-8 | " | 1035 | " | " | " | X | X | X | X | X | X | X | X | X | |
| 3 | PZ-4 | " | 1246 | " | " | " | X | X | X | X | X | X | X | X | X | |
| 4 | QCFB | " | 1037 | " | 3 | " | X | | | | | | | | | |
| 5 | QCTB | — | — | " | 2 | " | X | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

**Quarterly MPars**

**cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

LRL 3-2 / 3-3

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 2/11/25 1410 |
| [1] Received By: | | Hrag B. | EA NH | 2/11/25 1410 |
| [2] Relinquished By: | | Hrag B. | EA NH | 2/12/25 0900 |
| [2] Received By: | | Rene C. | EA NH | 2/12/25 0900 |
| [3] Relinquished By: | | Rene C. | EA NH | 2/12/25 11:00 |
| [3] Received By: | | Hrag Mah | E.A | 2/12/25 11:00 |
| REC: | REC: J. Gutierrez | Hrag Mah JEUBERT ORTEGA | E.A EA-ORA | 2/12/25 11:34 2/12/25 1134 |

## SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 2·11·25 WO# _____ Client: Chiquita Canyon LF

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2·11·25 By (initials) JWL Type of ice used ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: ~~-0.2C~~ -0.7C JWL

Cooler Temp (°C) #1: 16.4 / 15.7 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

2/12/25

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info** AES 2/11/25

Date Received: 2/11/25 WO# 525994 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☑ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/11/25 2/11/25 AES 2/11/25 By (initials) HNT Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 3.2 3.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 2/11/25 **By (print)** AES **(sign)** _____

**Date Labeled** 2/11/25 AES 2/11/25 2/12/25 **By (print)** Derek **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 525994

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525994
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 02/11/25

**Sample ID: DW-28** **Lab ID: 525994-001** **Collected: 02/11/25 09:16**
**Matrix: Water**

| 525994-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **1.2** | | mg/L | 0.20 | 0.073 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 00:38 | KUM |
| Chloride | **34** | | mg/L | 1.0 | 0.27 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 00:38 | KUM |
| Bromide | **0.17** | J | mg/L | 0.30 | 0.060 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 00:38 | KUM |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 00:38 | KUM |
| Sulfate | **450** | | mg/L | 10 | 1.8 | 10 | 362867 | 02/12/25 17:00 | 02/13/25 00:55 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.36** | | mg/L | 0.10 | 0.050 | 1 | 363789 | 02/21/25 | 02/24/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 363182 | 02/15/25 | 02/15/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.4** | | mg/L | 0.050 | 0.0055 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Calcium | **4.6** | | mg/L | 0.57 | 0.57 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Magnesium | **0.78** | | mg/L | 0.10 | 0.025 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Manganese | **0.0037** | J | mg/L | 0.010 | 0.0029 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Potassium | **0.95** | | mg/L | 0.50 | 0.40 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Sodium | **350** | | mg/L | 0.50 | 0.35 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525994

| 525994-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525994

| 525994-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Toluene-d8 | 96% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 363412 | 02/18/25 | 02/18/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 363412 | 02/18/25 | 02/18/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363258 | 02/17/25 | 02/17/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **2.2** | | mg/L | 1.0 | 0.68 | 1 | 363243 | 02/17/25 | 02/18/25 | DXA |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **340** | | mg/L | 5.0 | | 2.5 | 363294 | 02/17/25 | 02/17/25 | WWC |
| Alkalinity, Total as CaCO3 | **380** | | mg/L | 5.0 | | 2.5 | 363294 | 02/17/25 | 02/17/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,200** | | mg/L | 20 | | 2 | 363054 | 02/14/25 | 02/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525994

| Sample ID: DW-8 | Lab ID: 525994-002 | Collected: 02/11/25 10:35 |
|---|---|---|
| | Matrix: Water | |

| 525994-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.14** | J | mg/L | 0.20 | 0.073 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 01:12 | KUM |
| Chloride | **65** | | mg/L | 1.0 | 0.27 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 01:12 | KUM |
| Bromide | **0.19** | J | mg/L | 0.30 | 0.060 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 01:12 | KUM |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 01:12 | KUM |
| Sulfate | **2,800** | | mg/L | 50 | 9.1 | 50 | 362867 | 02/12/25 17:00 | 02/13/25 02:03 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **1.1** | | mg/L | 0.10 | 0.050 | 1 | 363789 | 02/21/25 | 02/24/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **4.0** | | mg/L | 4.0 | 1.6 | 1 | 363182 | 02/15/25 | 02/15/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.0** | | mg/L | 0.050 | 0.0055 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Calcium | **350** | | mg/L | 0.57 | 0.57 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Iron | **5.3** | | mg/L | 0.046 | 0.046 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Magnesium | **200** | | mg/L | 0.10 | 0.025 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Manganese | **0.065** | | mg/L | 0.010 | 0.0029 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Potassium | **6.5** | | mg/L | 0.50 | 0.40 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Sodium | **600** | | mg/L | 0.50 | 0.35 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525994

| 525994-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 97% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Toluene-d8 | 96% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 525994

| 525994-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 363412 | 02/18/25 | 02/18/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 363412 | 02/18/25 | 02/18/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363258 | 02/17/25 | 02/17/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.8** | | mg/L | 1.0 | 0.68 | 1 | 363243 | 02/17/25 | 02/18/25 | DXA |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **380** | | mg/L | 20 | | 10 | 363189 | 02/15/25 | 02/15/25 | WWC |
| Alkalinity, Total as CaCO3 | **380** | | mg/L | 20 | | 10 | 363189 | 02/15/25 | 02/15/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **4,200** | | mg/L | 40 | | 4 | 363054 | 02/14/25 | 02/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 525994

| Sample ID: PZ-4 | Lab ID: 525994-003 | Collected: 02/11/25 12:46 |
|---|---|---|
| | Matrix: Water | |

| 525994-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.55** | | mg/L | 0.20 | 0.073 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 02:19 | KUM |
| Chloride | **59** | | mg/L | 1.0 | 0.27 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 02:19 | KUM |
| Bromide | **0.15** | J | mg/L | 0.30 | 0.060 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 02:19 | KUM |
| Nitrogen, Nitrate | **1.2** | | mg/L | 0.10 | 0.05 | 1 | 362867 | 02/12/25 17:00 | 02/13/25 02:19 | KUM |
| Sulfate | **130** | | mg/L | 10 | 1.8 | 10 | 362867 | 02/12/25 17:00 | 02/13/25 02:36 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 363789 | 02/21/25 | 02/24/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **7.0** | | mg/L | 4.0 | 1.6 | 1 | 363182 | 02/15/25 | 02/15/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.30** | | mg/L | 0.050 | 0.0055 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Calcium | **51** | | mg/L | 0.57 | 0.57 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Magnesium | **9.8** | | mg/L | 0.10 | 0.025 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Potassium | **2.3** | | mg/L | 0.50 | 0.40 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Sodium | **180** | | mg/L | 0.50 | 0.35 | 1 | 362942 | 02/13/25 | 02/13/25 | DXC |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Freon 12 | **0.4** | J | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 525994

| 525994-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 100% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloroethane-d4 | 102% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Toluene-d8 | 96% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 525994

| 525994-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 363412 | 02/18/25 | 02/18/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 363412 | 02/18/25 | 02/18/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363258 | 02/17/25 | 02/17/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **5.3** | | mg/L | 1.0 | 0.68 | 1 | 363243 | 02/17/25 | 02/18/25 | DXA |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **380** | | mg/L | 10 | | 5 | 363189 | 02/15/25 | 02/15/25 | WWC |
| Alkalinity, Total as CaCO3 | **380** | | mg/L | 10 | | 5 | 363189 | 02/15/25 | 02/15/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **720** | | mg/L | 20 | | 2 | 363054 | 02/14/25 | 02/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525994

| Sample ID: QCFB | Lab ID: 525994-004 | Collected: 02/11/25 10:37 |
|---|---|---|
| | Matrix: Water | |

| 525994-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525994

| 525994-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 97% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Toluene-d8 | 97% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525994

| Sample ID: QCTB | Lab ID: 525994-005 | Collected: 02/11/25 |
|---|---|---|
| | Matrix: Water | |

| 525994-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525994

| 525994-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 97% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Toluene-d8 | 97% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 362920 | 02/13/25 | 02/13/25 | ZST |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1228692** | **Batch:** | **362867** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1228692 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 02/12/25 17:00 | 02/12/25 19:18 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 02/12/25 17:00 | 02/12/25 19:18 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 02/12/25 17:00 | 02/12/25 19:18 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 02/12/25 17:00 | 02/12/25 19:18 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 02/12/25 17:00 | 02/12/25 19:18 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1228693** | **Batch:** | **362867** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1228693 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.539 | 10.00 | mg/L | 95% | | 90-110 |
| Chloride | 47.55 | 50.00 | mg/L | 95% | | 90-110 |
| Bromide | 14.66 | 15.00 | mg/L | 98% | | 90-110 |
| Nitrogen, Nitrate | 4.343 | 4.518 | mg/L | 96% | | 90-110 |
| Sulfate | 24.35 | 25.00 | mg/L | 97% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1228708** | **Batch:** | **362867** |
| **Matrix (Source ID):** | **Water (525927-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1228708 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.47 | ND | 20.00 | mg/L | 97% | | 80-120 | 1 |
| Chloride | 169.8 | 73.77 | 100.0 | mg/L | 96% | | 80-120 | 1 |
| Bromide | 14.47 | 0.1019 | 15.00 | mg/L | 96% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.533 | 0.7953 | 9.036 | mg/L | 97% | | 80-120 | 1 |
| Sulfate | 73.96 | 25.78 | 50.00 | mg/L | 96% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1228709** | **Batch:** | **362867** |
| **Matrix (Source ID):** | **Water (525927-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1228709 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.38 | ND | 20.00 | mg/L | 97% | | 80-120 | 0 | 20 | 1 |
| Chloride | 169.4 | 73.77 | 100.0 | mg/L | 96% | | 80-120 | 0 | 20 | 1 |
| Bromide | 14.39 | 0.1019 | 15.00 | mg/L | 95% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.474 | 0.7953 | 9.036 | mg/L | 96% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 73.67 | 25.78 | 50.00 | mg/L | 96% | | 80-120 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1231874** | **Batch:** | **363789** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1231874 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.036 | 1.000 | mg/L | 104% | | 90-110 |

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# Batch QC

| Type: Blank | Lab ID: QC1231875 | Batch: 363789 |
|---|---|---|
| Matrix: Water | Method: EPA 350.1 | Prep Method: METHOD |

| QC1231875 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 02/21/25 | 02/24/25 |

| Type: Matrix Spike | Lab ID: QC1232124 | Batch: 363789 |
|---|---|---|
| Matrix (Source ID): Water (525502-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1232124 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.359 | 0.3081 | 1.000 | mg/L | 105% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1232125 | Batch: 363789 |
|---|---|---|
| Matrix (Source ID): Water (525502-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1232125 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.385 | 0.3081 | 1.000 | mg/L | 108% | | 90-110 | 2 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1232126 | Batch: 363789 |
|---|---|---|
| Matrix (Source ID): Water (525701-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1232126 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.284 | 0.2693 | 1.000 | mg/L | 101% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1232127 | Batch: 363789 |
|---|---|---|
| Matrix (Source ID): Water (525701-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1232127 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.367 | 0.2693 | 1.000 | mg/L | 110% | | 90-110 | 6 | 20 | 1 |

| Type: Blank | Lab ID: QC1229759 | Batch: 363182 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1229759 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 02/15/25 | 02/15/25 |

| Type: Lab Control Sample | Lab ID: QC1229760 | Batch: 363182 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1229760 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 107.0 | 100.0 | mg/L | 107% | | 90-110 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1229761 | Batch: | 363182 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525910-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1229761 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 114.0 | ND | 100.0 | mg/L | 114% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1229762 | Batch: | 363182 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525910-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1229762 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 110.0 | ND | 100.0 | mg/L | 110% | | 75-125 | 4 | 20 | 2 |

| Type: | Blank | Lab ID: | QC1228935 | Batch: | 362942 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1228935 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 02/13/25 | 02/13/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 02/13/25 | 02/13/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 02/13/25 | 02/13/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 02/13/25 | 02/13/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 02/13/25 | 02/13/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 02/13/25 | 02/13/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 02/13/25 | 02/13/25 |

| Type: | Lab Control Sample | Lab ID: | QC1228936 | Batch: | 362942 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1228936 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3630 | 0.4000 | mg/L | 91% | | 80-120 |
| Calcium | 18.57 | 20.40 | mg/L | 91% | | 80-120 |
| Iron | 0.3718 | 0.4000 | mg/L | 93% | | 80-120 |
| Magnesium | 18.38 | 20.40 | mg/L | 90% | | 80-120 |
| Manganese | 0.3667 | 0.4000 | mg/L | 92% | | 80-120 |
| Potassium | 20.78 | 24.00 | mg/L | 87% | | 80-120 |
| Sodium | 18.28 | 20.40 | mg/L | 90% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1228937 | Batch: | 362942 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526169-003) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1228937 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 1.072 | 0.7257 | 0.4000 | mg/L | 87% | | 75-125 | 1 |
| Calcium | 77.54 | 59.57 | 20.40 | mg/L | 88% | | 75-125 | 1 |
| Iron | 1.028 | 0.6783 | 0.4000 | mg/L | 87% | | 75-125 | 1 |
| Magnesium | 58.05 | 39.92 | 20.40 | mg/L | 89% | | 75-125 | 1 |
| Manganese | 0.8332 | 0.4901 | 0.4000 | mg/L | 86% | | 75-125 | 1 |
| Potassium | 33.96 | 11.21 | 24.00 | mg/L | 95% | | 75-125 | 1 |
| Sodium | 617.5 | 600.2 | 20.40 | mg/L | 85% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1228938 | Batch: | 362942 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526169-003) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1228938 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 1.077 | 0.7257 | 0.4000 | mg/L | 88% | | 75-125 | 0 | 20 | 1 |
| Calcium | 77.45 | 59.57 | 20.40 | mg/L | 88% | | 75-125 | 0 | 20 | 1 |
| Iron | 1.034 | 0.6783 | 0.4000 | mg/L | 89% | | 75-125 | 1 | 20 | 1 |
| Magnesium | 58.02 | 39.92 | 20.40 | mg/L | 89% | | 75-125 | 0 | 20 | 1 |
| Manganese | 0.8370 | 0.4901 | 0.4000 | mg/L | 87% | | 75-125 | 0 | 20 | 1 |
| Potassium | 33.93 | 11.21 | 24.00 | mg/L | 95% | | 75-125 | 0 | 20 | 1 |
| Sodium | 616.5 | 600.2 | 20.40 | mg/L | 80% | NM | 75-125 | 0 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1229031 | Batch: | 362942 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526169-003) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1229031 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.7485 | 0.7257 | mg/L | | | | 5 |
| Calcium | 62.39 | 59.57 | mg/L | | | | 5 |
| Iron | 0.6957 | 0.6783 | mg/L | | | | 5 |
| Magnesium | 41.88 | 39.92 | mg/L | | | | 5 |
| Manganese | 0.5022 | 0.4901 | mg/L | | | | 5 |
| Potassium | 10.66 | 11.21 | mg/L | | | | 5 |
| Sodium | 641.4 | 600.2 | mg/L | | | | 5 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1228864 | Batch: 362920 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1228864 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 52.35 | 50.00 | ug/L | 105% | | 70-135 |
| MTBE | 49.79 | 50.00 | ug/L | 100% | | 70-130 |
| Benzene | 49.77 | 50.00 | ug/L | 100% | | 70-130 |
| Trichloroethene | 48.32 | 50.00 | ug/L | 97% | | 70-130 |
| Toluene | 49.40 | 50.00 | ug/L | 99% | | 70-130 |
| Chlorobenzene | 50.05 | 50.00 | ug/L | 100% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.19 | 50.00 | ug/L | 102% | | 70-130 |
| 1,2-Dichloroethane-d4 | 49.69 | 50.00 | ug/L | 99% | | 70-130 |
| Toluene-d8 | 49.06 | 50.00 | ug/L | 98% | | 70-130 |
| Bromofluorobenzene | 51.33 | 50.00 | ug/L | 103% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1228865 | Batch: 362920 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1228865 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 52.28 | 50.00 | ug/L | 105% | | 70-135 | 0 | 30 |
| MTBE | 49.53 | 50.00 | ug/L | 99% | | 70-130 | 1 | 30 |
| Benzene | 49.20 | 50.00 | ug/L | 98% | | 70-130 | 1 | 30 |
| Trichloroethene | 47.67 | 50.00 | ug/L | 95% | | 70-130 | 1 | 30 |
| Toluene | 48.79 | 50.00 | ug/L | 98% | | 70-130 | 1 | 30 |
| Chlorobenzene | 49.61 | 50.00 | ug/L | 99% | | 70-130 | 1 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.60 | 50.00 | ug/L | 103% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 49.48 | 50.00 | ug/L | 99% | | 70-130 | | |
| Toluene-d8 | 49.26 | 50.00 | ug/L | 99% | | 70-130 | | |
| Bromofluorobenzene | 51.91 | 50.00 | ug/L | 104% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1228866 | **Batch:** 362920 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1228866 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 02/13/25 | 02/13/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 02/13/25 | 02/13/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 02/13/25 | 02/13/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| Acetone | ND | | ug/L | 100 | 16 | 02/13/25 | 02/13/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 02/13/25 | 02/13/25 |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 02/13/25 | 02/13/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 02/13/25 | 02/13/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 02/13/25 | 02/13/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 02/13/25 | 02/13/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 02/13/25 | 02/13/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 02/13/25 | 02/13/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 02/13/25 | 02/13/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 02/13/25 | 02/13/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 02/13/25 | 02/13/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/13/25 | 02/13/25 |

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# Batch QC

| QC1228866 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 02/13/25 | 02/13/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 02/13/25 | 02/13/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 02/13/25 | 02/13/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/13/25 | 02/13/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 02/13/25 | 02/13/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 02/13/25 | 02/13/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 02/13/25 | 02/13/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 02/13/25 | 02/13/25 |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 02/13/25 | 02/13/25 |
| Toluene-d8 | 97% | | %REC | 70-130 | | 02/13/25 | 02/13/25 |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 02/13/25 | 02/13/25 |

**Type:** Matrix Spike **Lab ID:** QC1228910 **Batch:** 362920
**Matrix (Source ID):** Water (526180-007) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1228910 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 960.8 | ND | 1000 | ug/L | 96% | | 70-130 | 50 |
| MTBE | 947.6 | ND | 1000 | ug/L | 95% | | 75-130 | 50 |
| Benzene | 1,001 | 11.55 | 1000 | ug/L | 99% | | 70-130 | 50 |
| Trichloroethene | 1,003 | ND | 1000 | ug/L | 100% | | 63-130 | 50 |
| Toluene | 963.1 | 18.69 | 1000 | ug/L | 94% | | 70-130 | 50 |
| Chlorobenzene | 964.1 | ND | 1000 | ug/L | 96% | | 70-130 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,499 | | 2500 | ug/L | 100% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,466 | | 2500 | ug/L | 99% | | 70-130 | 50 |
| Toluene-d8 | 2,425 | | 2500 | ug/L | 97% | | 70-130 | 50 |
| Bromofluorobenzene | 2,497 | | 2500 | ug/L | 100% | | 70-130 | 50 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1228911 | Batch: | 362920 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526180-007) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1228911 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 965.1 | ND | 1000 | ug/L | 97% | | 70-130 | 0 | 30 | 50 |
| MTBE | 927.2 | ND | 1000 | ug/L | 93% | | 75-130 | 2 | 30 | 50 |
| Benzene | 983.1 | 11.55 | 1000 | ug/L | 97% | | 70-130 | 2 | 30 | 50 |
| Trichloroethene | 991.4 | ND | 1000 | ug/L | 99% | | 63-130 | 1 | 30 | 50 |
| Toluene | 964.7 | 18.69 | 1000 | ug/L | 95% | | 70-130 | 0 | 30 | 50 |
| Chlorobenzene | 959.6 | ND | 1000 | ug/L | 96% | | 70-130 | 0 | 30 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,489 | | 2500 | ug/L | 100% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,467 | | 2500 | ug/L | 99% | | 70-130 | | | 50 |
| Toluene-d8 | 2,418 | | 2500 | ug/L | 97% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,502 | | 2500 | ug/L | 100% | | 70-130 | | | 50 |

| Type: | Blank | Lab ID: | QC1230589 | Batch: | 363412 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1230589 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 02/18/25 | 02/18/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 02/18/25 | 02/18/25 |

| Type: | Lab Control Sample | Lab ID: | QC1230590 | Batch: | 363412 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1230590 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.617 | 10.00 | ug/L | 86% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.06 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1230591 | Batch: | 363412 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1230591 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.824 | 10.00 | ug/L | 88% | | 80-120 | 2 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.882 | 10.00 | ug/L | 99% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1230044 | Batch: | 363258 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1230044 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 02/17/25 | 02/17/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1230045 **Batch:** 363258
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1230045 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1230046 **Batch:** 363258
**Matrix (Source ID):** Drinking Water (525962-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1230046 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1230047 **Batch:** 363258
**Matrix (Source ID):** Drinking Water (525962-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1230047 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1229988 **Batch:** 363243
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1229988 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 02/17/25 | 02/17/25 |

**Type:** Lab Control Sample **Lab ID:** QC1229989 **Batch:** 363243
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1229989 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 24.19 | 25.00 | mg/L | 97% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1229990 **Batch:** 363243
**Matrix (Source ID):** Water (525889-003) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1229990 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.87 | 5.305 | 25.00 | mg/L | 98% | | 75-125 | 2 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1229991 **Batch:** 363243
**Matrix (Source ID):** Water (525889-003) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1229991 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.74 | 5.305 | 25.00 | mg/L | 98% | | 75-125 | 0 | 25 | 2 |

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# Batch QC

| Type: Blank | Lab ID: QC1229797 | Batch: 363189 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1229797 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 02/15/25 | 02/15/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 02/15/25 | 02/15/25 |

| Type: Lab Control Sample | Lab ID: QC1229798 | Batch: 363189 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1229798 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 923.4 | 1000 | mg/L | 92% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1229799 | Batch: 363189 |
|---|---|---|
| Matrix (Source ID): Water (525897-003) | Method: SM2320B | Prep Method: METHOD |

| QC1229799 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 218.6 | 215.0 | mg/L | | 2 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 218.6 | 215.0 | mg/L | | 2 | 20 | 2.5 |

| Type: Blank | Lab ID: QC1230186 | Batch: 363294 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1230186 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 02/17/25 | 02/17/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 02/17/25 | 02/17/25 |

| Type: Lab Control Sample | Lab ID: QC1230187 | Batch: 363294 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1230187 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,053 | 1000 | mg/L | 105% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1230595 | Batch: 363294 |
|---|---|---|
| Matrix (Source ID): Water (525927-008) | Method: SM2320B | Prep Method: METHOD |

| QC1230595 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 236.9 | 229.4 | mg/L | | 3 | 20 | 5 |
| Alkalinity, Total as CaCO3 | 236.9 | 229.4 | mg/L | | 3 | 20 | 5 |

| Type: Blank | Lab ID: QC1229339 | Batch: 363054 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1229339 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 02/14/25 | 02/15/25 |

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# Batch QC

| Type: | Lab Control Sample | Lab ID: | QC1229340 | Batch: | 363054 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1229340 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,012 | 1000 | mg/L | 101% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1229341 | Batch: | 363054 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525702-001) | Method: | SM2540C | Prep Method: | METHOD |

| QC1229341 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 184.0 | 176.0 | mg/L | | 4 | 5 | 2 |

| Type: | Sample Duplicate | Lab ID: | QC1229342 | Batch: | 363054 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525860-002) | Method: | SM2540C | Prep Method: | METHOD |

| QC1229342 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 264.0 | 256.0 | mg/L | | 3 | 5 | 2 |

ND Not Detected
NM Not Meaningful

**Laboratory Job Number 525994**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

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# Analytical Report

**WorkOrder:** 2502B37

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-525994

**Project Location:**
**Project Received:** 02/14/2025

Analytical Report reviewed & approved for release on 02/21/2025 by:

Jena Alfaro
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502B37
**Project:** EO-525994

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502B37

**Project:** EO-525994

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| H | Sample was analyzed out of hold time |
| h11 | Sample was initially analyzed within hold time but re-extracted and/or reanalyzed out of hold time. |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502B37 |
| **Date Received:** | 02/14/2025 9:01 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 02/19/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-525994 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-28 | 2502B37-001A | Water | 02/11/2025 09:16 | GC26 0219250204.D | 311739 |

| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Carbon Dioxide | **1000** | H | 50 | 50 | 1 | 02/19/2025 15:16 |

Analyst(s): CLO  Analytical Comments: h11

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-8 | 2502B37-002A | Water | 02/11/2025 10:35 | GC26 0219250205.D | 311739 |

| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Carbon Dioxide | **33,000** | H | 1200 | 1200 | 25 | 02/19/2025 15:28 |

Analyst(s): CLO  Analytical Comments: h11

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| PZ-4 | 2502B37-003A | Water | 02/11/2025 12:46 | GC26 0219250206.D | 311739 |

| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Carbon Dioxide | **14,000** | H | 1000 | 1000 | 20 | 02/19/2025 15:40 |

Analyst(s): CLO  Analytical Comments: h11

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502B37 |
| **Date Prepared:** | 02/19/2025 | **BatchID:** | 311739 |
| **Date Analyzed:** | 02/19/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-525994 | **Sample ID:** | MB/LCS/LCSD-311739 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 150 | 160 | 187.2 | 80 | 87 | 70-130 | 8.80 | 30 |

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Pittsburg, CA 94565-1701
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# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2502B37** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-525994

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **02/14/2025**
*Date Logged:* **02/18/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2502B37-001 | DW-28 | Water | 2/11/2025 09:16 | ☐ | A | A | | | | | | | | | | |
| 2502B37-002 | DW-8 | Water | 2/11/2025 10:35 | ☐ | A | A | | | | | | | | | | |
| 2502B37-003 | PZ-4 | Water | 2/11/2025 12:46 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Adrianna Cardoza**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-525994
**Comments:**

**Work Order:** 2502B37
**QC Level:** LEVEL 2
**Date Logged:** 2/18/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-28 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 2/11/2025 9:16 | 5 days | 2/24/2025 | Present | ☐ | ☐ |
| 002A | DW-8 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 2/11/2025 10:35 | 5 days | 2/24/2025 | Present | ☐ | ☐ |
| 003A | PZ-4 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 2/11/2025 12:46 | 5 days | 2/24/2025 | Present | ☐ | ☐ |

**NOTES:** *** STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2502B37

ENTHALPY

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-525994
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-28 | 11-FEB-2025 09:16 | 525994-001 | 3 | Water | RSK-175 CO2 | |
| DW-8 | 11-FEB-2025 10:35 | 525994-002 | 3 | Water | RSK-175 CO2 | |
| PZ-4 | 11-FEB-2025 12:46 | 525994-003 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | D. Buitrago EA-ORA | |
| | Date: 2/13/25 1745 | Date: 2.14.25 9:01 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1.1° wt
1B33

GLS:562640500

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# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 2/14/2025 09:01 |
| Project: | EO-525994 | Date Logged: | 2/18/2025 |
| | | Received by: | Adrianna Cardoza |
| WorkOrder №: | 2502B37 Matrix: Water | Logged by: | Adrianna Cardoza |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | NA ☐ |
| Custody seals intact on sample bottles? | Yes ☑ | No ☐ | NA ☐ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 1.1°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☑ | No ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526830
Report Level : II
Report Date : 03/07/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 526830<br>GW MONITORING<br>Chiquita Canyon Landfill<br>02/18/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-12 | 526830-001 | 02/18/25 08:59 | Water |
| DW-7 | 526830-002 | 02/18/25 09:57 | Water |
| DW-18 | 526830-003 | 02/18/25 11:05 | Water |
| DW-21 | 526830-004 | 02/18/25 11:48 | Water |
| DW-31 | 526830-005 | 02/18/25 13:14 | Water |
| QCFB | 526830-006 | 02/18/25 11:51 | Water |
| QCTB | 526830-007 | 02/18/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 526830<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill<br>Date Received: 02/18/25 |

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 02/19/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Low recoveries were observed for bromide in the MS/MSD for batch 363553; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 526830

Page: 1 of 1

| Turn Around Time (rush by advanced notice only) | | | | | |
|---|---|---|---|---|---|
| Standard: | X | 5 Day: | | 3 Day: | |
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-12 | 2/18/25 | 859 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-7 | | 957 | | | | X | X | X | X | X | X | X | X | X |
| 3 | DW-18 | | 1105 | | | | X | X | X | X | X | X | X | X | X |
| 4 | DW-21 | | 1148 | | | | X | X | X | X | X | X | X | X | X |
| 5 | DW-31 | | 1314 | | | | X | X | X | X | X | X | X | X | X |
| 6 | QCFB | | 1151 | | 3 | | X | | | | | | | | |
| 7 | QCTB | — | — | | 2 | | X | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Test Instructions / Comments**

ID: IR11

T: 5.7°C

**Quarterly MPars**

**cc report to:**
**pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

2/19/25 1213

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 2.18.25 1408 |
| [1] Received By: | | Jim Lin | SA·NH | 2.18.25 1408 |
| [2] Relinquished By: | | Jim Lin | SA·NH | 2.19.25 0900 |
| [2] Received By: | | Hrag B. | EA-NH | 2/19/25 0900 |
| [3] Relinquished By: | | Hrag B. | EA-NH | 2/19/25 1025 |
| [3] Received By: | | Brandon T | EA | 2/19/25 1145 |

R01 Brandon T EA 2/19/25 1215

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 2.18.25 WO# 526830 Client: Chiquita Canyon L.F.

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2.18.25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR03 CF: -0.2C -0.7C

Cooler Temp (°C) #1: 12.3 / 11.6 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** ____ **By (print)** ____ **(sign)** ____

**Date Labeled** ____ **By (print)** ____ **(sign)** ____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**
Date Received: 2/19/25 WO# 526830 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No
Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 2/19/25 By (initials) GCW Type of ice used: ☐ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR11 CF: +0.1
Cooler Temp (°C) #1: 5.7/5.8 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| Section 4: Containers / Labels / Samples | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | ✓ | | |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**
(If no comments are made, then no discrepancies noted.)
~~a vial for sample~~ GCW 2/19/25 004: 1 of 3 unpreserved vial was empty

☐ **No additional discrepancies**

**Date Logged** 2/19/25 **By (print)** ABD **(sign)** [signature]
**Date Labeled** 2/19/25 **By (print)** ~~GCW~~ Orange **(sign)** _____
60

ENTHALPY ANALYTICAL

# Analysis Results for 526830

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526830
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 02/18/25

**Sample ID: DW-12** **Lab ID: 526830-001** **Collected: 02/18/25 08:59**
**Matrix: Water**

| 526830-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.56** | | mg/L | 0.20 | 0.073 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 01:02 | AJL |
| Chloride | **190** | | mg/L | 1.0 | 0.27 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 01:02 | AJL |
| Bromide | **0.70** | | mg/L | 0.30 | 0.060 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 01:02 | AJL |
| Nitrogen, Nitrate | **3.4** | | mg/L | 0.10 | 0.05 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 01:02 | AJL |
| Sulfate | **300** | | mg/L | 10 | 1.8 | 10 | 363553 | 02/19/25 15:52 | 02/20/25 01:19 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.11** | | mg/L | 0.10 | 0.050 | 1 | 364582 | 03/01/25 | 03/03/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **6.0** | | mg/L | 4.0 | 1.6 | 1 | 363668 | 02/20/25 | 02/20/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.20** | | mg/L | 0.050 | 0.0055 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Calcium | **22** | | mg/L | 0.57 | 0.57 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Magnesium | **2.7** | | mg/L | 0.10 | 0.025 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Potassium | **1.6** | | mg/L | 0.50 | 0.40 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Sodium | **260** | | mg/L | 0.50 | 0.35 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| 526830-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| 526830-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 108% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Toluene-d8 | 89% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 363843 | 02/21/25 | 02/22/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 363843 | 02/21/25 | 02/22/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363624 | 02/20/25 | 02/20/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **2.3** | | mg/L | 1.0 | 0.68 | 1 | 364639 | 03/01/25 | 03/01/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **150** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Alkalinity, Total as CaCO3 | **150** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **940** | | mg/L | 20 | | 2 | 363770 | 02/21/25 | 02/22/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| Sample ID: DW-7 | Lab ID: 526830-002 | Collected: 02/18/25 09:57 |
|---|---|---|
| | Matrix: Water | |

| 526830-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.15** | J | mg/L | 0.20 | 0.073 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 01:36 | AJL |
| Chloride | **82** | | mg/L | 1.0 | 0.27 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 01:36 | AJL |
| Bromide | **0.17** | J | mg/L | 0.30 | 0.060 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 01:36 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 01:36 | AJL |
| Sulfate | **650** | | mg/L | 10 | 1.8 | 10 | 363553 | 02/19/25 15:52 | 02/20/25 01:53 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.15** | | mg/L | 0.10 | 0.050 | 1 | 364582 | 03/01/25 | 03/03/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **3.0** | J | mg/L | 4.0 | 1.6 | 1 | 363668 | 02/20/25 | 02/20/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.15** | | mg/L | 0.050 | 0.0055 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Calcium | **31** | | mg/L | 0.57 | 0.57 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Magnesium | **1.5** | | mg/L | 0.10 | 0.025 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Potassium | **1.1** | | mg/L | 0.50 | 0.40 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Sodium | **300** | | mg/L | 0.50 | 0.35 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| 526830-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 108% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Toluene-d8 | 88% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| 526830-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 363843 | 02/21/25 | 02/22/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 363843 | 02/21/25 | 02/22/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363624 | 02/20/25 | 02/20/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 364639 | 03/01/25 | 03/01/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **95** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Alkalinity, Total as CaCO3 | **95** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,200** | | mg/L | 20 | | 2 | 363770 | 02/21/25 | 02/22/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| Sample ID: DW-18 | Lab ID: 526830-003 | Collected: 02/18/25 11:05 |
|---|---|---|
| | Matrix: Water | |

| 526830-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.23** | | mg/L | 0.20 | 0.073 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 02:10 | AJL |
| Chloride | **100** | | mg/L | 1.0 | 0.27 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 02:10 | AJL |
| Bromide | **0.30** | | mg/L | 0.30 | 0.060 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 02:10 | AJL |
| Nitrogen, Nitrate | **3.1** | | mg/L | 0.10 | 0.05 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 02:10 | AJL |
| Sulfate | **350** | | mg/L | 10 | 1.8 | 10 | 363553 | 02/19/25 15:52 | 02/20/25 02:26 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.062** | J | mg/L | 0.10 | 0.050 | 1 | 364582 | 03/01/25 | 03/03/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **5.0** | | mg/L | 4.0 | 1.6 | 1 | 363668 | 02/20/25 | 02/20/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.34** | | mg/L | 0.050 | 0.0055 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Calcium | **26** | | mg/L | 0.57 | 0.57 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Magnesium | **2.1** | | mg/L | 0.10 | 0.025 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Potassium | **1.5** | | mg/L | 0.50 | 0.40 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Sodium | **270** | | mg/L | 0.50 | 0.35 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| 526830-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Toluene-d8 | 89% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 526830

| 526830-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 363843 | 02/21/25 | 02/22/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 363843 | 02/21/25 | 02/22/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363624 | 02/20/25 | 02/20/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **4.5** | | mg/L | 1.0 | 0.68 | 1 | 364639 | 03/01/25 | 03/01/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **270** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Alkalinity, Total as CaCO3 | **270** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **990** | | mg/L | 20 | | 2 | 363770 | 02/21/25 | 02/22/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| Sample ID: DW-21 | Lab ID: 526830-004 | Collected: 02/18/25 11:48 |
|---|---|---|
| | Matrix: Water | |

| 526830-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.79** | | mg/L | 0.20 | 0.073 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 03:17 | AJL |
| Chloride | **54** | | mg/L | 1.0 | 0.27 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 03:17 | AJL |
| Bromide | **0.15** | J | mg/L | 0.30 | 0.060 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 03:17 | AJL |
| Nitrogen, Nitrate | **0.11** | | mg/L | 0.10 | 0.05 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 03:17 | AJL |
| Sulfate | **120** | | mg/L | 10 | 1.8 | 10 | 363553 | 02/19/25 15:52 | 02/20/25 03:34 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.18** | | mg/L | 0.10 | 0.050 | 1 | 364582 | 03/01/25 | 03/03/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 363668 | 02/20/25 | 02/20/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.24** | | mg/L | 0.050 | 0.0055 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Calcium | **3.4** | | mg/L | 0.57 | 0.57 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Iron | **0.16** | | mg/L | 0.046 | 0.046 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Magnesium | **0.19** | | mg/L | 0.10 | 0.025 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Potassium | **0.45** | J | mg/L | 0.50 | 0.40 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Sodium | **130** | | mg/L | 0.50 | 0.35 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| 526830-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 110% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Toluene-d8 | 88% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 526830

| 526830-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 363843 | 02/21/25 | 02/22/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 363843 | 02/21/25 | 02/22/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363624 | 02/20/25 | 02/20/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.4** | | mg/L | 1.0 | 0.68 | 1 | 364639 | 03/01/25 | 03/01/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **98** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Alkalinity, Total as CaCO3 | **130** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **430** | | mg/L | 20 | | 2 | 363770 | 02/21/25 | 02/22/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| Sample ID: DW-31 | Lab ID: 526830-005 | Collected: 02/18/25 13:14 |
|---|---|---|
| | Matrix: Water | |

| 526830-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.22** | | mg/L | 0.20 | 0.073 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 03:51 | AJL |
| Chloride | **130** | | mg/L | 1.0 | 0.27 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 03:51 | AJL |
| Bromide | **0.54** | | mg/L | 0.30 | 0.060 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 03:51 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 363553 | 02/19/25 15:52 | 02/20/25 03:51 | AJL |
| Sulfate | **520** | | mg/L | 10 | 1.8 | 10 | 363553 | 02/19/25 15:52 | 02/20/25 04:08 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 364582 | 03/01/25 | 03/03/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **46** | | mg/L | 4.0 | 1.6 | 1 | 363668 | 02/20/25 | 02/20/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.57** | | mg/L | 0.050 | 0.0055 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Calcium | **200** | | mg/L | 0.57 | 0.57 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Iron | **0.49** | | mg/L | 0.046 | 0.046 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Magnesium | **37** | | mg/L | 0.10 | 0.025 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Manganese | **0.82** | | mg/L | 0.010 | 0.0029 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Potassium | **1.6** | | mg/L | 0.50 | 0.40 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Sodium | **140** | | mg/L | 0.50 | 0.35 | 1 | 363569 | 02/19/25 | 02/19/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloroethane | **0.3** | J | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| 526830-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Toluene-d8 | 89% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 526830

| 526830-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | **3.9** | | ug/L | 1.0 | 0.95 | 1 | 363843 | 02/21/25 | 02/22/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 363843 | 02/21/25 | 02/22/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363624 | 02/20/25 | 02/20/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **19** | | mg/L | 1.0 | 0.68 | 1 | 364639 | 03/01/25 | 03/01/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **370** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Alkalinity, Total as CaCO3 | **370** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,400** | | mg/L | 20 | | 2 | 363770 | 02/21/25 | 02/22/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| Sample ID: QCFB | Lab ID: 526830-006 | Collected: 02/18/25 11:51 |
|---|---|---|
| | Matrix: Water | |

| 526830-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| 526830-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 109% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Toluene-d8 | 90% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| Sample ID: QCTB | Lab ID: 526830-007 | Collected: 02/18/25 |
|---|---|---|
| | Matrix: Water | |

| 526830-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Chloroform | **0.6** | J | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526830

| 526830-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| 1,2-Dichloroethane-d4 | 108% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Toluene-d8 | 90% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 364348 | 02/27/25 | 02/27/25 | YAH |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1231069** | **Batch:** | **363553** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1231069 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 02/19/25 15:52 | 02/19/25 17:10 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 02/19/25 15:52 | 02/19/25 17:10 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 02/19/25 15:52 | 02/19/25 17:10 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 02/19/25 15:52 | 02/19/25 17:10 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 02/19/25 15:52 | 02/19/25 17:10 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1231070** | **Batch:** | **363553** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1231070 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.514 | 10.00 | mg/L | 95% | | 90-110 |
| Chloride | 47.13 | 50.00 | mg/L | 94% | | 90-110 |
| Bromide | 14.75 | 15.00 | mg/L | 98% | | 90-110 |
| Nitrogen, Nitrate | 4.395 | 4.518 | mg/L | 97% | | 90-110 |
| Sulfate | 24.45 | 25.00 | mg/L | 98% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1231071** | **Batch:** | **363553** |
| **Matrix (Source ID):** | **Water (526689-003)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1231071 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.09 | ND | 20.00 | mg/L | 95% | | 80-120 | 1 |
| Chloride | 180.3 | 87.40 | 100.0 | mg/L | 93% | | 80-120 | 1 |
| Bromide | 14.35 | 0.1676 | 15.00 | mg/L | 95% | | 80-120 | 1 |
| Nitrogen, Nitrate | 8.991 | 0.3796 | 9.036 | mg/L | 95% | | 80-120 | 1 |
| Sulfate | 72.29 | 24.68 | 50.00 | mg/L | 95% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1231072** | **Batch:** | **363553** |
| **Matrix (Source ID):** | **Water (526689-003)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1231072 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.55 | ND | 20.00 | mg/L | 98% | | 80-120 | 2 | 20 | 1 |
| Chloride | 182.2 | 87.40 | 100.0 | mg/L | 95% | | 80-120 | 1 | 20 | 1 |
| Bromide | 14.67 | 0.1676 | 15.00 | mg/L | 97% | | 80-120 | 2 | 20 | 1 |
| Nitrogen, Nitrate | 9.187 | 0.3796 | 9.036 | mg/L | 97% | | 80-120 | 2 | 20 | 1 |
| Sulfate | 73.36 | 24.68 | 50.00 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1231073 | Batch: | 363553 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526748-002) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1231073 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.78 | 0.2622 | 20.00 | mg/L | 98% | | 80-120 | 1 |
| Chloride | 175.0 | 78.69 | 100.0 | mg/L | 96% | | 80-120 | 1 |
| Bromide | 11.78 | 0.3196 | 15.00 | mg/L | 76% | * | 80-120 | 1 |
| Nitrogen, Nitrate | 8.179 | ND | 9.036 | mg/L | 91% | | 80-120 | 1 |
| Sulfate | 49.72 | 0.7373 | 50.00 | mg/L | 98% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1231074 | Batch: | 363553 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526748-002) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1231074 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.61 | 0.2622 | 20.00 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |
| Chloride | 174.2 | 78.69 | 100.0 | mg/L | 96% | | 80-120 | 0 | 20 | 1 |
| Bromide | 11.64 | 0.3196 | 15.00 | mg/L | 75% | * | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 8.103 | ND | 9.036 | mg/L | 90% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 49.27 | 0.7373 | 50.00 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1234307 | Batch: | 364582 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1234307 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9994 | 1.000 | mg/L | 100% | | 90-110 |

| Type: | Blank | Lab ID: | QC1234308 | Batch: | 364582 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1234308 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 03/01/25 | 03/03/25 |

| Type: | Matrix Spike | Lab ID: | QC1234534 | Batch: | 364582 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526830-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1234534 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.074 | 0.1107 | 1.000 | mg/L | 96% | | 90-110 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1234535 | Batch: | 364582 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526830-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1234535 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.157 | 0.1107 | 1.000 | mg/L | 105% | | 90-110 | 7 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1234536 | Batch: | 364582 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526830-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1234536 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.049 | 0.1542 | 1.000 | mg/L | 90% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1234537 | Batch: | 364582 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526830-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1234537 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.053 | 0.1542 | 1.000 | mg/L | 90% | | 90-110 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1231444 | Batch: | 363668 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1231444 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 02/20/25 | 02/20/25 |

| Type: | Lab Control Sample | Lab ID: | QC1231445 | Batch: | 363668 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1231445 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 102.0 | 100.0 | mg/L | 102% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1231446 | Batch: | 363668 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526694-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1231446 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 118.0 | 3.000 | 100.0 | mg/L | 115% | | 75-125 | 2 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1231447** | **Batch:** | **363668** |
| **Matrix (Source ID):** | **Water (526694-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1231447 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 120.0 | 3.000 | 100.0 | mg/L | 117% | | 75-125 | 2 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1231448** | **Batch:** | **363668** |
| **Matrix (Source ID):** | **Water (526694-002)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1231448 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 118.0 | 8.000 | 100.0 | mg/L | 110% | | 75-125 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1231449** | **Batch:** | **363668** |
| **Matrix (Source ID):** | **Water (526694-002)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1231449 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 112.0 | 8.000 | 100.0 | mg/L | 104% | | 75-125 | 5 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1231112** | **Batch:** | **363569** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1231112 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 02/19/25 | 02/19/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 02/19/25 | 02/19/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 02/19/25 | 02/19/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 02/19/25 | 02/19/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 02/19/25 | 02/19/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 02/19/25 | 02/19/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 02/19/25 | 02/19/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1231113** | **Batch:** | **363569** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1231113 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3284 | 0.4000 | mg/L | 82% | | 80-120 |
| Calcium | 17.58 | 20.40 | mg/L | 86% | | 80-120 |
| Iron | 0.4197 | 0.4000 | mg/L | 105% | | 80-120 |
| Magnesium | 17.26 | 20.40 | mg/L | 85% | | 80-120 |
| Manganese | 0.3385 | 0.4000 | mg/L | 85% | | 80-120 |
| Potassium | 19.70 | 24.00 | mg/L | 82% | | 80-120 |
| Sodium | 17.13 | 20.40 | mg/L | 84% | | 80-120 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1231114 | Batch: | 363569 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526830-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1231114 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.5325 | 0.1971 | 0.4000 | mg/L | 84% | | 75-125 | 1 |
| Calcium | 39.89 | 22.44 | 20.40 | mg/L | 86% | | 75-125 | 1 |
| Iron | 0.3450 | ND | 0.4000 | mg/L | 86% | | 75-125 | 1 |
| Magnesium | 20.02 | 2.688 | 20.40 | mg/L | 85% | | 75-125 | 1 |
| Manganese | 0.3412 | ND | 0.4000 | mg/L | 85% | | 75-125 | 1 |
| Potassium | 22.11 | 1.632 | 24.00 | mg/L | 85% | | 75-125 | 1 |
| Sodium | 272.9 | 256.5 | 20.40 | mg/L | 80% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1231115 | Batch: | 363569 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526830-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1231115 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.5333 | 0.1971 | 0.4000 | mg/L | 84% | | 75-125 | 0 | 20 | 1 |
| Calcium | 39.96 | 22.44 | 20.40 | mg/L | 86% | | 75-125 | 0 | 20 | 1 |
| Iron | 0.3465 | ND | 0.4000 | mg/L | 87% | | 75-125 | 0 | 20 | 1 |
| Magnesium | 20.16 | 2.688 | 20.40 | mg/L | 86% | | 75-125 | 1 | 20 | 1 |
| Manganese | 0.3417 | ND | 0.4000 | mg/L | 85% | | 75-125 | 0 | 20 | 1 |
| Potassium | 22.25 | 1.632 | 24.00 | mg/L | 86% | | 75-125 | 1 | 20 | 1 |
| Sodium | 271.8 | 256.5 | 20.40 | mg/L | 75% | NM | 75-125 | 0 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1231225 | Batch: | 363569 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526830-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1231225 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.2090 | 0.1971 | mg/L | J | | | 5 |
| Calcium | 23.76 | 22.44 | mg/L | | | | 5 |
| Iron | ND | ND | mg/L | | | | 5 |
| Magnesium | 2.908 | 2.688 | mg/L | | | | 5 |
| Manganese | ND | ND | mg/L | | | | 5 |
| Potassium | ND | 1.632 | mg/L | | | | 5 |
| Sodium | 274.5 | 256.5 | mg/L | | | | 5 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1233562 | Batch: | 364348 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526830-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1233562 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 22.19 | ND | 20.00 | ug/L | 111% | | 70-130 | 1 |
| MTBE | 23.49 | ND | 20.00 | ug/L | 117% | | 75-130 | 1 |
| Benzene | 23.49 | ND | 20.00 | ug/L | 117% | | 70-130 | 1 |
| Trichloroethene | 20.23 | ND | 20.00 | ug/L | 101% | | 63-130 | 1 |
| Toluene | 18.95 | ND | 20.00 | ug/L | 95% | | 70-130 | 1 |
| Chlorobenzene | 19.10 | ND | 20.00 | ug/L | 95% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.16 | | 50.00 | ug/L | 102% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 49.76 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| Toluene-d8 | 45.18 | | 50.00 | ug/L | 90% | | 70-130 | 1 |
| Bromofluorobenzene | 48.97 | | 50.00 | ug/L | 98% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1233563 | Batch: | 364348 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526830-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1233563 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 23.29 | ND | 20.00 | ug/L | 116% | | 70-130 | 5 | 30 | 1 |
| MTBE | 25.03 | ND | 20.00 | ug/L | 125% | | 75-130 | 6 | 30 | 1 |
| Benzene | 25.07 | ND | 20.00 | ug/L | 125% | | 70-130 | 7 | 30 | 1 |
| Trichloroethene | 21.70 | ND | 20.00 | ug/L | 109% | | 63-130 | 7 | 30 | 1 |
| Toluene | 19.98 | ND | 20.00 | ug/L | 100% | | 70-130 | 5 | 30 | 1 |
| Chlorobenzene | 20.42 | ND | 20.00 | ug/L | 102% | | 70-130 | 7 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 51.51 | | 50.00 | ug/L | 103% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 50.10 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| Toluene-d8 | 45.08 | | 50.00 | ug/L | 90% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.91 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1233564 | **Batch:** 364348 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1233564 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 02/27/25 | 02/27/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 02/27/25 | 02/27/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 02/27/25 | 02/27/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Acetone | ND | | ug/L | 100 | 16 | 02/27/25 | 02/27/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 02/27/25 | 02/27/25 |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 02/27/25 | 02/27/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 02/27/25 | 02/27/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 02/27/25 | 02/27/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 02/27/25 | 02/27/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 02/27/25 | 02/27/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 02/27/25 | 02/27/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 02/27/25 | 02/27/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 02/27/25 | 02/27/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 02/27/25 | 02/27/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |

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# Batch QC

| QC1233564 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 02/27/25 | 02/27/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 02/27/25 | 02/27/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 02/27/25 | 02/27/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 02/27/25 | 02/27/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 02/27/25 | 02/27/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 02/27/25 | 02/27/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 109% | | %REC | 70-130 | | 02/27/25 | 02/27/25 |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 02/27/25 | 02/27/25 |
| Toluene-d8 | 89% | | %REC | 70-130 | | 02/27/25 | 02/27/25 |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 02/27/25 | 02/27/25 |

**Type:** Lab Control Sample **Lab ID:** QC1233790 **Batch:** 364348
**Matrix:** Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1233790 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.09 | 50.00 | ug/L | 100% | | 70-135 |
| MTBE | 55.06 | 50.00 | ug/L | 110% | | 70-130 |
| Benzene | 51.91 | 50.00 | ug/L | 104% | | 70-130 |
| Trichloroethene | 44.55 | 50.00 | ug/L | 89% | | 70-130 |
| Toluene | 42.96 | 50.00 | ug/L | 86% | | 70-130 |
| Chlorobenzene | 42.84 | 50.00 | ug/L | 86% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 50.61 | 50.00 | ug/L | 101% | | 70-130 |
| 1,2-Dichloroethane-d4 | 49.22 | 50.00 | ug/L | 98% | | 70-130 |
| Toluene-d8 | 45.65 | 50.00 | ug/L | 91% | | 70-130 |
| Bromofluorobenzene | 50.86 | 50.00 | ug/L | 102% | | 70-130 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1232064** | **Batch:** | **363843** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3535** |

| QC1232064 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 02/21/25 | 02/22/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 96% | | %REC | 80-120 | | 02/21/25 | 02/22/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1232065** | **Batch:** | **363843** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3535** |

| QC1232065 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.625 | 10.00 | ug/L | 86% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.01 | 10.00 | ug/L | 100% | | 80-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1232066** | **Batch:** | **363843** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3535** |

| QC1232066 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.734 | 10.00 | ug/L | 87% | | 80-120 | 1 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.28 | 10.00 | ug/L | 103% | | 80-120 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1231292** | **Batch:** | **363624** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1231292 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 02/20/25 | 02/20/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1231293** | **Batch:** | **363624** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1231293 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1231294** | **Batch:** | **363624** |
| **Matrix (Source ID):** | **Drinking Water (526290-002)** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1231294 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | ND | 1.000 | mg/L | 90% | | 80-120 | 1 |

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# Batch QC

**Type:** Matrix Spike Duplicate **Lab ID:** QC1231821 **Batch:** 363624
**Matrix (Source ID):** Drinking Water (526290-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1231821 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | ND | 1.000 | mg/L | 90% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1234517 **Batch:** 364639
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1234517 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 03/01/25 | 03/01/25 |

**Type:** Lab Control Sample **Lab ID:** QC1234518 **Batch:** 364639
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1234518 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 24.55 | 25.00 | mg/L | 98% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1234519 **Batch:** 364639
**Matrix (Source ID):** Water (526830-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1234519 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.88 | 2.343 | 25.00 | mg/L | 106% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1234520 **Batch:** 364639
**Matrix (Source ID):** Water (526830-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1234520 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.43 | 2.343 | 25.00 | mg/L | 104% | | 75-125 | 2 | 25 | 1 |

**Type:** Blank **Lab ID:** QC1232287 **Batch:** 363915
**Matrix:** Water **Method:** SM2320B **Prep Method:** METHOD

| QC1232287 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 02/22/25 | 02/22/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 02/22/25 | 02/22/25 |

**Type:** Lab Control Sample **Lab ID:** QC1232288 **Batch:** 363915
**Matrix:** Water **Method:** SM2320B **Prep Method:** METHOD

| QC1232288 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 930.8 | 1000 | mg/L | 93% | | 90-110 |

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# Batch QC

| Type: | Sample Duplicate | Lab ID: | QC1232289 | Batch: | 363915 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527169-002) | Method: | SM2320B | Prep Method: | METHOD |

| QC1232289 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 187.7 | 185.4 | mg/L | | 1 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 187.7 | 185.4 | mg/L | | 1 | 20 | 2.5 |

| Type: | Blank | Lab ID: | QC1231819 | Batch: | 363770 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1231819 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 10 | | 02/21/25 | 02/22/25 |

| Type: | Lab Control Sample | Lab ID: | QC1231820 | Batch: | 363770 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1231820 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,002 | 1000 | mg/L | 100% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1231823 | Batch: | 363770 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526843-003) | Method: | SM2540C | Prep Method: | METHOD |

| QC1231823 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 113.0 | 116.0 | mg/L | | 3 | 5 | 1 |

| Type: | Sample Duplicate | Lab ID: | QC1231841 | Batch: | 363770 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526494-001) | Method: | SM2540C | Prep Method: | METHOD |

| QC1231841 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 404.0 | 422.0 | mg/L | | 4 | 5 | 2 |

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 526830**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

McCampbell Analytical, Inc.
*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2502F10

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-526830

**Project Location:**
**Project Received:** 02/21/2025

Analytical Report reviewed & approved for release on 02/28/2025 by:

Yen Cao
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

McCampbell Analytical, Inc.
*"When Quality Counts"*

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502F10
**Project:** EO-526830

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502F10

**Project:** EO-526830

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502F10 |
| **Date Received:** | 02/21/2025 10:21 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 02/24/2025-02/25/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-526830 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-12 | 2502F10-001A | Water | 02/18/2025 08:59 | GC26 0224250305.D | 312046 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1700** | 100 | 100 | 2 | 02/24/2025 16:53 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-7 | 2502F10-002A | Water | 02/18/2025 09:57 | GC26 0224250306.D | 312046 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **640** | 50 | 50 | 1 | 02/24/2025 17:21 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-18 | 2502F10-003A | Water | 02/18/2025 11:05 | GC26 0225250905.D | 312166 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **4800** | 250 | 250 | 5 | 02/25/2025 13:04 |

Analyst(s): CLO

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502F10 |
| **Date Received:** | 02/21/2025 10:21 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 02/24/2025-02/25/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-526830 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-21 | 2502F10-004A | Water | 02/18/2025 11:48 | GC26 0225250906.D | 312166 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **350** | 50 | 50 | 1 | 02/25/2025 13:55 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-31 | 2502F10-005A | Water | 02/18/2025 13:14 | GC26 0225250908.D | 312166 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **44,000** | 2500 | 2500 | 50 | 02/25/2025 14:32 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502F10 |
| **Date Prepared:** | 02/24/2025 | **BatchID:** | 312046 |
| **Date Analyzed:** | 02/24/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-526830 | **Sample ID:** | MB/LCS/LCSD-312046 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 180 | 210 | 187.2 | 98 | 114 | 70-130 | 14.2 | 30 |

*(Cont.)*

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502F10 |
| **Date Prepared:** | 02/25/2025 | **BatchID:** | 312166 |
| **Date Analyzed:** | 02/25/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-526830 | **Sample ID:** | MB/LCS/LCSD-312166 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 210 | 230 | 187.2 | 113 | 121 | 70-130 | 6.82 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2502F10** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-526830

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **02/21/2025**
*Date Logged:* **02/21/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2502F10-001 | DW-12 | Water | 2/18/2025 08:59 | ☐ | A | A | | | | | | | | | | |
| 2502F10-002 | DW-7 | Water | 2/18/2025 09:57 | ☐ | A | A | | | | | | | | | | |
| 2502F10-003 | DW-18 | Water | 2/18/2025 11:05 | ☐ | A | A | | | | | | | | | | |
| 2502F10-004 | DW-21 | Water | 2/18/2025 11:48 | ☐ | A | A | | | | | | | | | | |
| 2502F10-005 | DW-31 | Water | 2/18/2025 13:14 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Gemma Gomez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-526830 **Work Order:** 2502F10
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 2/21/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-12 | Water | RSK175 (CO2) | 3 | VOA w/ HCl | ☐ | ☐ | ☐ | 2/18/2025 8:59 | 5 days | 2/28/2025 | None | ☐ | ☐ |
| 002A | DW-7 | Water | RSK175 (CO2) | 3 | VOA w/ HCl | ☐ | ☐ | ☐ | 2/18/2025 9:57 | 5 days | 2/28/2025 | None | ☐ | ☐ |
| 003A | DW-18 | Water | RSK175 (CO2) | 3 | VOA w/ HCl | ☐ | ☐ | ☐ | 2/18/2025 11:05 | 5 days | 2/28/2025 | None | ☐ | ☐ |
| 004A | DW-21 | Water | RSK175 (CO2) | 2 | VOA w/ HCl | ☐ | ☐ | ☐ | 2/18/2025 11:48 | 5 days | 2/28/2025 | None | ☐ | ☐ |
| 005A | DW-31 | Water | RSK175 (CO2) | 3 | VOA w/ HCl | ☐ | ☐ | ☐ | 2/18/2025 13:14 | 5 days | 2/28/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2502F10

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-526830
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-12 | 18-FEB-2025 08:59 | 526830-001 | 3 | Water | RSK-175 CO2 | |
| DW-7 | 18-FEB-2025 09:57 | 526830-002 | 3 | Water | RSK-175 CO2 | |
| DW-18 | 18-FEB-2025 11:05 | 526830-003 | 3 | Water | RSK-175 CO2 | |
| DW-21 | 18-FEB-2025 11:48 | 526830-004 | 3 | Water | RSK-175 CO2 | |
| DW-31 | 18-FEB-2025 13:14 | 526830-005 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Quintero EA-ORA | |
| | Date: 2/20/25 1810 | Date: 2/21/25 10:21 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

*One VOA came in empty -g.g*

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# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 2/21/2025 10:21 |
| Project: | EO-526830 | Date Logged: | 2/21/2025 |
| | | Received by: | Gemma Gomez |
| WorkOrder №: | 2502F10 Matrix: Water | Logged by: | Gemma Gomez |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☐ | No | ☐ | NA | ☑ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | NA | ☐ |
| Custody seals intact on sample bottles? | Yes | ☑ | No | ☐ | NA | ☐ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.3°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526963
Report Level : II
Report Date : 03/07/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 526963<br>GW MONITORING<br>Chiquita Canyon Landfill<br>02/19/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-29 | 526963-001 | 02/19/25 08:41 | Water |
| DW-1 | 526963-002 | 02/19/25 09:32 | Water |
| DW-16 | 526963-003 | 02/19/25 10:32 | Water |
| DW-3 | 526963-004 | 02/19/25 11:34 | Water |
| QCFB | 526963-005 | 02/19/25 08:43 | Water |
| QCTB | 526963-006 | 02/19/25 00:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 526963<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill<br>Date Received: 02/19/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 02/19/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Naphthalene and 1,2,4-trichlorobenzene were detected between the MDL and the RL in the method blank for batch 364374; these analytes were not detected in samples at or above the RL.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**

- High recoveries were observed for chemical oxygen demand in the MS/MSD for batch 363781; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

**Chain of Custody Record**

Lab No: 526963

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-29 | 2/19/25 | 841 | W | 13 | var. | X | X | X | X | X | X | X | X | X | |
| 2 | DW-1 | " | 932 | " | " | " | X | X | X | X | X | X | X | X | X | |
| 3 | DW-16 | " | 1032 | " | " | " | X | X | X | X | X | X | X | X | X | |
| 4 | DW-3 | " | 1134 | " | " | " | X | X | X | X | X | X | X | X | X | |
| 5 | QCFB | " | 843 | " | 3 | " | X | X | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | JW 2/19 |
| 6 | QCTB | — | — | " | 2 | " | X | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

**Quarterly MPars**

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

JR13 2.8

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 2.19.25 1253 |
| [1] Received By: | | Jim Lin | EA-NH | 2.19.25 1253 |
| [2] Relinquished By: | | Jim Lin | EA-NH | 2.20.25 0900 |
| [2] Received By: | | Rene C. | EA NH | 2/20/25 0900 |
| [3] Relinquished By: | | Rene C. | EA NH | 2/20/25 11:07 |
| [3] Received By: | | [illegible] | E.A | 2/20/25 11:07 |
| | | [illegible] | E.A | 2/20/25 11:40 |

Received: MCH EA 2/20/25 11:40

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 2·19·25 WO# _____ Client: Chiquita Canyon L.F.

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2·19·25 By (initials) JWL Type of ice used : ~~☑~~ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: ~~-0.2C~~ -0.7C JWL

Cooler Temp (°C) #1: 12.6/11.9 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ~ | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ~ | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ~ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ~ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

## SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 02/20/25 WO# 526963 Client: WASTE CONNECTIONS

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☑ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 02/20/25 By (initials) HNT Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0

Cooler Temp (°C) #1: 3.8 / 3.8 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 02/20/25 **By (print)** JETH CO **(sign)** _____

**Date Labeled** 2/20/25 **By (print)** EF/Orange **(sign)** _____

## Zach Barker

**From:** Paul Chang <pchang@changenvironmental.com>
**Sent:** Monday, February 24, 2025 2:53 PM
**To:** Zach Barker
**Subject:** [External] - Re: Groundwater Samples - Field Blank

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Oops... yes, that's a mistake. Only 8260 is requested.
Thanks,
Paul

On Mon, Feb 24, 2025, 2:49 PM Zach Barker <Zach.barker@enthalpy.com> wrote:

> Hi Paul,
>
> Per the attached COC, it looks like 1,4-dioxane was requested on the field blank, which we haven't done in the past. It sounds like we didn't receive a bottle for 1,4-dioxane on the FB either. Can you please confirm that only 8260 is requested? If you do need 1,4-dioxane on the FB moving forward, I will account for that in March's bottle order.
>
> Thanks,
>
> **Zach Barker**
> Project Manager
>
> Enthalpy Analytical
>
> 931 W Barkley Ave. | Orange, CA 92868
>
> Office: +1-714-771-6900 Ext. 10341 | Mobile: +1-445-220-0261
>
> zach.barker@enthalpy.com |enthalpy.com
>
> Terms and Conditions

ENTHALPY ANALYTICAL

# Analysis Results for 526963

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526963
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 02/19/25

**Sample ID: DW-29** **Lab ID: 526963-001** **Collected: 02/19/25 08:41**
**Matrix: Water**

| 526963-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.42** | | mg/L | 0.20 | 0.073 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 00:03 | JAA |
| Chloride | **86** | | mg/L | 1.0 | 0.27 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 00:03 | JAA |
| Bromide | **0.27** | J | mg/L | 0.30 | 0.060 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 00:03 | JAA |
| Nitrogen, Nitrate | **2.4** | | mg/L | 0.10 | 0.05 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 00:03 | JAA |
| Sulfate | **320** | | mg/L | 10 | 1.8 | 10 | 363698 | 02/20/25 18:00 | 02/21/25 00:54 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 364856 | 03/04/25 | 03/06/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **5.0** | | mg/L | 4.0 | 1.6 | 1 | 363781 | 02/21/25 | 02/24/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.32** | | mg/L | 0.050 | 0.0062 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Calcium | **59** | | mg/L | 0.57 | 0.57 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Magnesium | **8.1** | | mg/L | 0.10 | 0.025 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Manganese | **0.095** | | mg/L | 0.010 | 0.0029 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Potassium | **1.2** | | mg/L | 0.50 | 0.42 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Sodium | **230** | | mg/L | 5.0 | 3.5 | 10 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526963

| 526963-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 112% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526963

| 526963-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene-d8 | 87% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 364012 | 02/24/25 | 02/25/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 1 | 364012 | 02/24/25 | 02/25/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363889 | 02/22/25 | 02/22/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **6.0** | | mg/L | 1.0 | 0.68 | 1 | 364639 | 03/01/25 | 03/01/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **250** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Alkalinity, Total as CaCO3 | **250** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **940** | | mg/L | 20 | | 2 | 364155 | 02/25/25 | 02/26/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526963

| Sample ID: DW-1 | Lab ID: 526963-002 | Collected: 02/19/25 09:32 |
|---|---|---|
| | Matrix: Water | |

| 526963-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.76** | | mg/L | 0.20 | 0.073 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 01:10 | JAA |
| Chloride | **110** | | mg/L | 1.0 | 0.27 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 01:10 | JAA |
| Bromide | **0.25** | J | mg/L | 0.30 | 0.060 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 01:10 | JAA |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 01:10 | JAA |
| Sulfate | **340** | | mg/L | 10 | 1.8 | 10 | 363698 | 02/20/25 18:00 | 02/21/25 01:27 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 364856 | 03/04/25 | 03/06/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 363781 | 02/21/25 | 02/24/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.21** | | mg/L | 0.050 | 0.0062 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Calcium | **52** | | mg/L | 0.57 | 0.57 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Magnesium | **9.7** | | mg/L | 0.10 | 0.025 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Manganese | **0.043** | | mg/L | 0.010 | 0.0029 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Potassium | **2.2** | | mg/L | 0.50 | 0.42 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Sodium | **220** | | mg/L | 5.0 | 3.5 | 10 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526963

| 526963-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Tetrachloroethene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 112% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloroethane-d4 | 112% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene-d8 | 88% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 526963

| 526963-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 364012 | 02/24/25 | 02/25/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 364012 | 02/24/25 | 02/25/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363889 | 02/22/25 | 02/22/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.4** | | mg/L | 1.0 | 0.68 | 1 | 364639 | 03/01/25 | 03/01/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Alkalinity, Total as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **850** | | mg/L | 20 | | 2 | 364155 | 02/25/25 | 02/26/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526963

| Sample ID: DW-16 | Lab ID: 526963-003 | Collected: 02/19/25 10:32 |
|---|---|---|
| | Matrix: Water | |

| 526963-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.39** | | mg/L | 0.20 | 0.073 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 01:44 | JAA |
| Chloride | **100** | | mg/L | 1.0 | 0.27 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 01:44 | JAA |
| Bromide | **0.23** | J | mg/L | 0.30 | 0.060 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 01:44 | JAA |
| Nitrogen, Nitrate | **2.1** | | mg/L | 0.10 | 0.05 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 01:44 | JAA |
| Sulfate | **180** | | mg/L | 10 | 1.8 | 10 | 363698 | 02/20/25 18:00 | 02/21/25 02:01 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 364856 | 03/04/25 | 03/06/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 363781 | 02/21/25 | 02/24/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.13** | | mg/L | 0.050 | 0.0062 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Calcium | **6.8** | | mg/L | 0.57 | 0.57 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Magnesium | **0.39** | | mg/L | 0.10 | 0.025 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Potassium | **0.74** | | mg/L | 0.50 | 0.42 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Sodium | **240** | | mg/L | 5.0 | 3.5 | 10 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethane | **1.5** | J | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,2-Dichloroethene | **0.9** | J | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroform | **0.7** | J | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526963

| 526963-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | **0.2** | J | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichloroethene | **0.7** | J | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Tetrachloroethene | **0.6** | J | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,4-Dichlorobenzene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloroethane-d4 | 110% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene-d8 | 87% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 526963

| 526963-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 364012 | 02/24/25 | 02/25/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 1 | 364012 | 02/24/25 | 02/25/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363889 | 02/22/25 | 02/22/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.8** | | mg/L | 1.0 | 0.68 | 1 | 364639 | 03/01/25 | 03/01/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **220** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Alkalinity, Total as CaCO3 | **220** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **620** | | mg/L | 20 | | 2 | 364155 | 02/25/25 | 02/26/25 | RDL |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 526963

| Sample ID: DW-3 | Lab ID: 526963-004 | Collected: 02/19/25 11:34 |
|---|---|---|
| | Matrix: Water | |

| 526963-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.62** | | mg/L | 0.20 | 0.073 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 02:18 | JAA |
| Chloride | **59** | | mg/L | 1.0 | 0.27 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 02:18 | JAA |
| Bromide | **0.16** | J | mg/L | 0.30 | 0.060 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 02:18 | JAA |
| Nitrogen, Nitrate | **1.8** | | mg/L | 0.10 | 0.05 | 1 | 363698 | 02/20/25 18:00 | 02/21/25 02:18 | JAA |
| Sulfate | **100** | | mg/L | 10 | 1.8 | 10 | 363698 | 02/20/25 18:00 | 02/21/25 02:35 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 364856 | 03/04/25 | 03/06/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 1 | 363781 | 02/21/25 | 02/24/25 | EPL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.26** | | mg/L | 0.050 | 0.0062 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Calcium | **32** | | mg/L | 0.57 | 0.57 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Magnesium | **4.0** | | mg/L | 0.10 | 0.025 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Potassium | **1.3** | | mg/L | 0.50 | 0.42 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Sodium | **120** | | mg/L | 0.50 | 0.34 | 1 | 363684 | 02/20/25 | 02/20/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 12 | **6.0** | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethane | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 526963

| 526963-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Tetrachloroethene | **0.8** | J | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene-d8 | 87% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 526963

| 526963-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 364012 | 02/24/25 | 02/25/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 364012 | 02/24/25 | 02/25/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363889 | 02/22/25 | 02/22/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 364639 | 03/01/25 | 03/01/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **170** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Alkalinity, Total as CaCO3 | **170** | | mg/L | 5.0 | | 2.5 | 363915 | 02/22/25 | 02/22/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **460** | | mg/L | 20 | | 2 | 364155 | 02/25/25 | 02/26/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526963

| Sample ID: QCFB | Lab ID: 526963-005 | Collected: 02/19/25 08:43 |
|---|---|---|
| | Matrix: Water | |

| 526963-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroform | **0.6** | J | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526963

| 526963-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 112% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene-d8 | 87% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 526963

| Sample ID: QCTB | Lab ID: 526963-006 | Collected: 02/19/25 |
|---|---|---|
| | Matrix: Water | |

| 526963-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chloroform | **0.7** | J | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 526963

| 526963-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Toluene-d8 | 86% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 1 | 364374 | 02/27/25 | 02/27/25 | EJB |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1231571** | **Batch:** | **363698** |
| **Matrix (Source ID):** | **Water (527048-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1231571 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 18.98 | ND | 20.00 | mg/L | 95% | | 80-120 | 1 |
| Chloride | 137.0 | 38.74 | 100.0 | mg/L | 98% | | 80-120 | 1 |
| Bromide | 14.24 | ND | 15.00 | mg/L | 95% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.465 | 0.7812 | 9.036 | mg/L | 96% | | 80-120 | 1 |
| Sulfate | 62.75 | 14.75 | 50.00 | mg/L | 96% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1231572** | **Batch:** | **363698** |
| **Matrix (Source ID):** | **Water (527048-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1231572 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.18 | ND | 20.00 | mg/L | 96% | | 80-120 | 1 | 20 | 1 |
| Chloride | 137.9 | 38.74 | 100.0 | mg/L | 99% | | 80-120 | 1 | 20 | 1 |
| Bromide | 14.38 | ND | 15.00 | mg/L | 96% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.540 | 0.7812 | 9.036 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 63.19 | 14.75 | 50.00 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1231573** | **Batch:** | **363698** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1231573 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 02/20/25 18:00 | 02/20/25 18:09 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 02/20/25 18:00 | 02/20/25 18:09 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 02/20/25 18:00 | 02/20/25 18:09 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 02/20/25 18:00 | 02/20/25 18:09 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 02/20/25 18:00 | 02/20/25 18:09 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1231574** | **Batch:** | **363698** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1231574 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.510 | 10.00 | mg/L | 95% | | 90-110 |
| Chloride | 47.47 | 50.00 | mg/L | 95% | | 90-110 |
| Bromide | 14.83 | 15.00 | mg/L | 99% | | 90-110 |
| Nitrogen, Nitrate | 4.424 | 4.518 | mg/L | 98% | | 90-110 |
| Sulfate | 24.59 | 25.00 | mg/L | 98% | | 90-110 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1231575 | Batch: | 363698 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527046-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1231575 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.29 | 0.5860 | 20.00 | mg/L | 94% | | 80-120 | 1 |
| Chloride | 192.8 | 103.8 | 100.0 | mg/L | 89% | | 80-120 | 1 |
| Bromide | 14.04 | 0.2449 | 15.00 | mg/L | 92% | | 80-120 | 1 |
| Nitrogen, Nitrate | 8.429 | ND | 9.036 | mg/L | 93% | | 80-120 | 1 |
| Sulfate | 688.7 | 1168 | 50.00 | mg/L | -959% | E,NM | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1231576 | Batch: | 363698 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527046-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1231576 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.36 | 0.5860 | 20.00 | mg/L | 94% | | 80-120 | 0 | 20 | 1 |
| Chloride | 193.2 | 103.8 | 100.0 | mg/L | 89% | | 80-120 | 0 | 20 | 1 |
| Bromide | 14.10 | 0.2449 | 15.00 | mg/L | 92% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 8.461 | ND | 9.036 | mg/L | 94% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 689.1 | 1168 | 50.00 | mg/L | -958% | E,NM | 80-120 | | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1235278 | Batch: | 364856 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1235278 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9728 | 1.000 | mg/L | 97% | | 90-110 |

| Type: | Blank | Lab ID: | QC1235279 | Batch: | 364856 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1235279 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 03/04/25 | 03/06/25 |

| Type: | Matrix Spike | Lab ID: | QC1235358 | Batch: | 364856 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526963-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1235358 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9695 | ND | 1.000 | mg/L | 97% | | 90-110 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1235359 | Batch: | 364856 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526963-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1235359 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.008 | ND | 1.000 | mg/L | 101% | | 90-110 | 4 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1235360 | Batch: | 364856 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526963-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1235360 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.006 | ND | 1.000 | mg/L | 101% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1235361 | Batch: | 364856 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526963-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1235361 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.023 | ND | 1.000 | mg/L | 102% | | 90-110 | 2 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1231856 | Batch: | 363781 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1231856 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 02/21/25 | 02/24/25 |

| Type: | Lab Control Sample | Lab ID: | QC1231857 | Batch: | 363781 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1231857 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 98.00 | 100.0 | mg/L | 98% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1231858 | Batch: | 363781 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526702-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1231858 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 146.0 | 9.000 | 100.0 | mg/L | 137% | * | 75-125 | 2 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1231859** | **Batch:** | **363781** |
| **Matrix (Source ID):** | **Water (526702-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1231859 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 144.0 | 9.000 | 100.0 | mg/L | 135% | * | 75-125 | 1 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1231514** | **Batch:** | **363684** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1231514 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0062 | 02/20/25 | 02/20/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 02/20/25 | 02/20/25 |
| Iron | ND | | mg/L | 0.041 | 0.041 | 02/20/25 | 02/20/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 02/20/25 | 02/20/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 02/20/25 | 02/20/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 02/20/25 | 02/20/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 02/20/25 | 02/20/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1231515** | **Batch:** | **363684** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1231515 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3489 | 0.4000 | mg/L | 87% | | 80-120 |
| Calcium | 18.65 | 20.40 | mg/L | 91% | | 80-120 |
| Iron | 0.3651 | 0.4000 | mg/L | 91% | | 80-120 |
| Magnesium | 18.43 | 20.40 | mg/L | 90% | | 80-120 |
| Manganese | 0.3551 | 0.4000 | mg/L | 89% | | 80-120 |
| Potassium | 20.74 | 24.00 | mg/L | 86% | | 80-120 |
| Sodium | 18.09 | 20.40 | mg/L | 89% | | 80-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1231516** | **Batch:** | **363684** |
| **Matrix (Source ID):** | **Water (526963-001)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1231516 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.6830 | 0.3239 | 0.4000 | mg/L | 90% | | 75-125 | 1 |
| Calcium | 76.71 | 59.13 | 20.40 | mg/L | 86% | | 75-125 | 1 |
| Iron | 0.3757 | ND | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Magnesium | 26.46 | 8.098 | 20.40 | mg/L | 90% | | 75-125 | 1 |
| Manganese | 0.4524 | 0.09516 | 0.4000 | mg/L | 89% | | 75-125 | 1 |
| Potassium | 22.84 | 1.239 | 24.00 | mg/L | 90% | | 75-125 | 1 |
| Sodium | 248.2 | 234.2 | 20.40 | mg/L | 69% | NM | 75-125 | 10 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1231517 | Batch: | 363684 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526963-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1231517 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.6755 | 0.3239 | 0.4000 | mg/L | 88% | | 75-125 | 1 | 20 | 1 |
| Calcium | 76.38 | 59.13 | 20.40 | mg/L | 85% | | 75-125 | 0 | 20 | 1 |
| Iron | 0.3668 | ND | 0.4000 | mg/L | 92% | | 75-125 | 2 | 20 | 1 |
| Magnesium | 25.90 | 8.098 | 20.40 | mg/L | 87% | | 75-125 | 2 | 20 | 1 |
| Manganese | 0.4437 | 0.09516 | 0.4000 | mg/L | 87% | | 75-125 | 2 | 20 | 1 |
| Potassium | 22.19 | 1.239 | 24.00 | mg/L | 87% | | 75-125 | 3 | 20 | 1 |
| Sodium | 247.1 | 234.2 | 20.40 | mg/L | 63% | NM | 75-125 | 0 | 20 | 10 |

| Type: | Serial Dilution | Lab ID: | QC1231702 | Batch: | 363684 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526843-004) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1231702 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.1092 | 0.1086 | mg/L | J | | | 5 |
| Calcium | 74.35 | 72.64 | mg/L | | | | 5 |
| Iron | 12.22 | 11.91 | mg/L | | | | 5 |
| Magnesium | 8.632 | 8.394 | mg/L | | | | 5 |
| Manganese | 0.5005 | 0.4946 | mg/L | | | | 5 |
| Potassium | 10.24 | 10.44 | mg/L | | | | 5 |
| Sodium | 71.76 | 70.04 | mg/L | | | | 5 |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1233656 | **Batch:** 364374 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1233656 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 02/27/25 | 02/27/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 02/27/25 | 02/27/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 02/27/25 | 02/27/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Acetone | ND | | ug/L | 100 | 16 | 02/27/25 | 02/27/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 02/27/25 | 02/27/25 |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 02/27/25 | 02/27/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 02/27/25 | 02/27/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 02/27/25 | 02/27/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 02/27/25 | 02/27/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 02/27/25 | 02/27/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 02/27/25 | 02/27/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 02/27/25 | 02/27/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 02/27/25 | 02/27/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 02/27/25 | 02/27/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/27/25 | 02/27/25 |

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# Batch QC

| QC1233656 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 02/27/25 | 02/27/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 02/27/25 | 02/27/25 |
| 1,2,4-Trichlorobenzene | 0.1 | J | ug/L | 5.0 | 0.08 | 02/27/25 | 02/27/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| Naphthalene | 0.2 | J | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/27/25 | 02/27/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 02/27/25 | 02/27/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 02/27/25 | 02/27/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 02/27/25 | 02/27/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 02/27/25 | 02/27/25 |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 02/27/25 | 02/27/25 |
| Toluene-d8 | 88% | | %REC | 70-130 | | 02/27/25 | 02/27/25 |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 02/27/25 | 02/27/25 |

**Type:** Matrix Spike **Lab ID:** QC1233841 **Batch:** 364374
**Matrix (Source ID):** Water (527529-003) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1233841 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 1,193 | ND | 1000 | ug/L | 119% | | 70-130 | 50 |
| MTBE | 1,241 | ND | 1000 | ug/L | 124% | | 75-130 | 50 |
| Benzene | 1,309 | 16.48 | 1000 | ug/L | 129% | | 70-130 | 50 |
| Trichloroethene | 1,065 | ND | 1000 | ug/L | 106% | | 63-130 | 50 |
| Toluene | 1,001 | 18.42 | 1000 | ug/L | 98% | | 70-130 | 50 |
| Chlorobenzene | 1,075 | ND | 1000 | ug/L | 107% | | 70-130 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,582 | | 2500 | ug/L | 103% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,540 | | 2500 | ug/L | 102% | | 70-130 | 50 |
| Toluene-d8 | 2,228 | | 2500 | ug/L | 89% | | 70-130 | 50 |
| Bromofluorobenzene | 2,470 | | 2500 | ug/L | 99% | | 70-130 | 50 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1233842 | Batch: | 364374 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527529-003) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1233842 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 1,184 | ND | 1000 | ug/L | 118% | | 70-130 | 1 | 30 | 50 |
| MTBE | 1,207 | ND | 1000 | ug/L | 121% | | 75-130 | 3 | 30 | 50 |
| Benzene | 1,286 | 16.48 | 1000 | ug/L | 127% | | 70-130 | 2 | 30 | 50 |
| Trichloroethene | 1,111 | ND | 1000 | ug/L | 111% | | 63-130 | 4 | 30 | 50 |
| Toluene | 1,021 | 18.42 | 1000 | ug/L | 100% | | 70-130 | 2 | 30 | 50 |
| Chlorobenzene | 1,011 | ND | 1000 | ug/L | 101% | | 70-130 | 6 | 30 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,602 | | 2500 | ug/L | 104% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,528 | | 2500 | ug/L | 101% | | 70-130 | | | 50 |
| Toluene-d8 | 2,251 | | 2500 | ug/L | 90% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,447 | | 2500 | ug/L | 98% | | 70-130 | | | 50 |

| Type: | Lab Control Sample | Lab ID: | QC1233866 | Batch: | 364374 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1233866 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.96 | 50.00 | ug/L | 100% | | 70-135 |
| MTBE | 55.85 | 50.00 | ug/L | 112% | | 70-130 |
| Benzene | 52.05 | 50.00 | ug/L | 104% | | 70-130 |
| Trichloroethene | 42.01 | 50.00 | ug/L | 84% | | 70-130 |
| Toluene | 41.02 | 50.00 | ug/L | 82% | | 70-130 |
| Chlorobenzene | 41.64 | 50.00 | ug/L | 83% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.37 | 50.00 | ug/L | 103% | | 70-130 |
| 1,2-Dichloroethane-d4 | 49.75 | 50.00 | ug/L | 100% | | 70-130 |
| Toluene-d8 | 44.77 | 50.00 | ug/L | 90% | | 70-130 |
| Bromofluorobenzene | 50.53 | 50.00 | ug/L | 101% | | 70-130 |

| Type: | Blank | Lab ID: | QC1232617 | Batch: | 364012 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1232617 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 02/24/25 | 02/25/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 02/24/25 | 02/25/25 |

| Type: | Lab Control Sample | Lab ID: | QC1232618 | Batch: | 364012 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1232618 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.204 | 10.00 | ug/L | 92% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.67 | 10.00 | ug/L | 107% | | 80-120 |

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# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1232619 | Batch: | 364012 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1232619 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.950 | 10.00 | ug/L | 89% | | 80-120 | 3 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.17 | 10.00 | ug/L | 102% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1232228 | Batch: | 363889 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1232228 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 02/22/25 | 02/22/25 |

| Type: | Lab Control Sample | Lab ID: | QC1232229 | Batch: | 363889 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1232229 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1232230 | Batch: | 363889 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526797-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1232230 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1232231 | Batch: | 363889 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526797-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1232231 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1234517 | Batch: | 364639 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1234517 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 03/01/25 | 03/01/25 |

| Type: | Lab Control Sample | Lab ID: | QC1234518 | Batch: | 364639 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1234518 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 24.55 | 25.00 | mg/L | 98% | | 85-115 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1234519 | Batch: | 364639 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526830-001) | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1234519 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.88 | 2.343 | 25.00 | mg/L | 106% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1234520 | Batch: | 364639 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526830-001) | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1234520 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.43 | 2.343 | 25.00 | mg/L | 104% | | 75-125 | 2 | 25 | 1 |

| Type: | Blank | Lab ID: | QC1232287 | Batch: | 363915 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1232287 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 02/22/25 | 02/22/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 02/22/25 | 02/22/25 |

| Type: | Lab Control Sample | Lab ID: | QC1232288 | Batch: | 363915 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1232288 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 930.8 | 1000 | mg/L | 93% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1232289 | Batch: | 363915 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527169-002) | Method: | SM2320B | Prep Method: | METHOD |

| QC1232289 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 187.7 | 185.4 | mg/L | | 1 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 187.7 | 185.4 | mg/L | | 1 | 20 | 2.5 |

| Type: | Sample Duplicate | Lab ID: | QC1232990 | Batch: | 364155 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526841-001) | Method: | SM2540C | Prep Method: | METHOD |

| QC1232990 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 11.50 | 12.00 | mg/L | | 4 | 5 | 0.5 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1232991** | **Batch:** | **364155** |
| **Matrix (Source ID):** | **Water (526841-011)** | **Method:** | **SM2540C** | **Prep Method:** | **METHOD** |

| QC1232991 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | ND | mg/L | | | 5 | 0.5 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1232992** | **Batch:** | **364155** |
| **Matrix:** | **Water** | **Method:** | **SM2540C** | **Prep Method:** | **METHOD** |

| QC1232992 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 5.0 | | 02/25/25 | 02/26/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1232993** | **Batch:** | **364155** |
| **Matrix:** | **Water** | **Method:** | **SM2540C** | **Prep Method:** | **METHOD** |

| QC1232993 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 997.5 | 1000 | mg/L | 100% | | 90-110 |

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 526963**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2502H75

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-526963

**Project Location:**
**Project Received:** 02/26/2025

Analytical Report reviewed & approved for release on 02/27/2025 by:

Yen Cao

Yen Cao
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502H75

**Project:** EO-526963

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502H75

**Project:** EO-526963

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502H75 |
| **Date Received:** | 02/26/2025 10:59 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 02/26/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-526963 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-29 | 2502H75-001A | Water | 02/19/2025 08:41 | GC26 0226250105.D | 312247 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **9400** | 500 | 500 | 10 | 02/26/2025 15:03 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-1 | 2502H75-002A | Water | 02/19/2025 09:32 | GC26 0226250109.D | 312247 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **2400** | 100 | 100 | 2 | 02/26/2025 16:00 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-16 | 2502H75-003A | Water | 02/19/2025 10:32 | GC26 0226250110.D | 312247 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1200** | 50 | 50 | 1 | 02/26/2025 16:12 |

Analyst(s): CLO

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502H75 |
| **Date Received:** | 02/26/2025 10:59 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 02/26/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-526963 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-3 | 2502H75-004A | Water | 02/19/2025 11:34 | GC26 0226250113.D | 312247 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **2700** | 100 | 100 | 2 | 02/26/2025 17:26 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502H75 |
| **Date Prepared:** | 02/26/2025 | **BatchID:** | 312247 |
| **Date Analyzed:** | 02/26/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-526963 | **Sample ID:** | MB/LCS/LCSD-312247 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 160 | 187.2 | 74 | 84 | 70-130 | 12.2 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2502H75** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-526963

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 1 day;**

*Date Received:* **02/26/2025**
*Date Logged:* **02/26/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2502H75-001 | DW-29 | Water | 2/19/2025 08:41 | ☐ | A | A | | | | | | | | | | |
| 2502H75-002 | DW-1 | Water | 2/19/2025 09:32 | ☐ | A | A | | | | | | | | | | |
| 2502H75-003 | DW-16 | Water | 2/19/2025 10:32 | ☐ | A | A | | | | | | | | | | |
| 2502H75-004 | DW-3 | Water | 2/19/2025 11:34 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Valerie Alfaro**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-526963
**Comments**

**Work Order:** 2502H75
**QC Level:** LEVEL 2
**Date Logged:** 2/26/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-29 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 2/19/2025 8:41 | 1 day | 2/27/2025 | None | ☐ | ☐ |
| 002A | DW-1 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 2/19/2025 9:32 | 1 day | 2/27/2025 | None | ☐ | ☐ |
| 003A | DW-16 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 2/19/2025 10:32 | 1 day | 2/27/2025 | None | ☐ | ☐ |
| 004A | DW-3 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 2/19/2025 11:34 | 1 day | 2/27/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2502H75

**HOLD TIME RUSH**

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-526963
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-29 | 19-FEB-2025 08:41 | 526963-001 | 3 2 | Water | RSK-175 CO2 | |
| DW-1 | 19-FEB-2025 09:32 | 526963-002 | 3 2 | Water | RSK-175 CO2 | |
| DW-16 | 19-FEB-2025 10:32 | 526963-003 | 3 2 | Water | RSK-175 CO2 | |
| DW-3 | 19-FEB-2025 11:34 | 526963-004 | 3 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Cantagrel EA-ORA | GLS |
| | Date: 2/24/25 1400 | Date: |
| | GLS | |
| | Date: | Date: 2/26/25 1059 |
| | | |
| | Date: | Date: |

0.9°C wet
IRM

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# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 2/26/2025 10:59 |
| Project: | EO-526963 | Date Logged: | 2/26/2025 |
| | | Received by: | |
| WorkOrder №: | 2502H75 Matrix: | Logged by: | Valerie Alfaro |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | NA | ☐ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.7°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:


Page 45 of 45

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528429
Report Level : II
Report Date : 03/28/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 528429<br>GW MONITORING<br>Chiquita Canyon Landfill<br>03/10/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-28 | 528429-001 | 03/10/25 09:13 | Water |
| DW-9 | 528429-002 | 03/10/25 10:37 | Water |
| PZ-4 | 528429-003 | 03/10/25 11:49 | Water |
| DW-14 | 528429-004 | 03/10/25 13:03 | Water |
| QCFB | 528429-005 | 03/10/25 09:16 | Water |
| QCTB | 528429-006 | 03/10/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 528429<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill<br>Date Received: 03/10/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 03/10/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD for batch 365560; affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**

- High recovery was observed for chemical oxygen demand in the MS of DW-28 (lab # 528429-001); the LCS was within limits, the associated RPD was within limits, and the high recovery was not associated with any reported results.
- No other analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 528429

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

**Test Instructions / Comments**

IR 13

25, 25

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-28 | 3/10/25 | 913 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-9 | ↓ | 1037 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 3 | PZ-4 | | 1149 | | | | X | X | X | X | X | X | X | X | X |
| 4 | DW-14 | | 1303 | | ↓ | | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | ↓ | 916 | | 3 | | X | | | | | | | | |
| 6 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Login 528429

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 3-10-25 1430 |
| [1] Received By: | | Jim Lin | EA-NH | 3-10-25 1430 |
| [2] Relinquished By: | | Jim Lin | EA-NH | 3-11-25 0830 |
| [2] Received By: | | Hrag B. | EA-NH | 3/11/25 0830 |
| [3] Relinquished By: | | Hrag B. | EA-NH | 3/11/25 1211 |
| [3] Received By: | | Nick | EA | 3-11-25 1370 |

2 W/ Ice RA 3-11-25 1400 Rec: Ado78 Adam Dinkmeyer EA 3/11/25 1400

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3.10.25 WO# _____ Client: _____

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

**Section 3a: Condition / Packaging** ☒ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3.10.25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.2C -0.7C

Cooler Temp (°C) #1: 16.8/16.1 #2:____/____ #3:____/____ #4:____/____ #5:____/____ #6:____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/11/25 WO# 528429 Client: WASTE CONNECTIONS

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/11/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0

Cooler Temp (°C) #1: 2.5 / 2.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | X |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | | X | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | \ | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 3/10/25 **By (print)** FPDIWA **(sign)** _____

**Date Labeled** 3/11/35 **By (print)** ORANGE-EA **(sign)** _____

## Zach Barker

**From:** Zach Barker
**Sent:** Tuesday, March 18, 2025 10:26 AM
**To:** Paul Chang
**Subject:** RSK-175 CO2 Hold Time Missed - DW-28, DW-9, PZ-4, DW-14
**Attachments:** 528429_COC.pdf

Hi Paul,

McCampbell reached out to me and advised that the subject 4 samples collected on 3/10 all missed hold time for RSK-175 CO2. I looked into this and found that GLS took 5 days to deliver these. They made it to McCampbell yesterday around 12:00 pm, but they were unable to have them analyzed within hold time.

I have advised McCampbell to proceed with analysis as we have done when hold time was missed for CO2 in the past. Please let me know if you would like the analysis canceled.

Let me know if you have any questions.

Thank you,

**Zach Barker**
Project Manager
Enthalpy Analytical
931 W Barkley Ave. | Orange, CA 92868
Office: +1-714-771-6900 Ext. 10341 | Mobile: +1-445-220-0261
zach.barker@enthalpy.com |enthalpy.com
Terms and Conditions

ENTHALPY ANALYTICAL

# Analysis Results for 528429

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528429
Project No: GW MONITORING
Location: Chiquita Canyon Landfill
Date Received: 03/10/25

**Sample ID: DW-28** **Lab ID: 528429-001** **Collected: 03/10/25 09:13**
**Matrix: Water**

| 528429-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **1.2** | | mg/L | 0.20 | 0.034 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 18:24 | AJL |
| Chloride | **36** | | mg/L | 1.0 | 0.27 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 18:24 | AJL |
| Bromide | **0.17** | J | mg/L | 0.30 | 0.060 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 18:24 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 18:24 | AJL |
| Sulfate | **460** | | mg/L | 10 | 1.8 | 10 | 365560 | 03/11/25 14:45 | 03/11/25 18:46 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.32** | | mg/L | 0.10 | 0.050 | 1 | 366666 | 03/21/25 | 03/24/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 367291 | 03/27/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.4** | | mg/L | 0.050 | 0.0055 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Calcium | **4.8** | | mg/L | 0.57 | 0.57 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Magnesium | **0.82** | | mg/L | 0.10 | 0.025 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Manganese | **0.0037** | J | mg/L | 0.010 | 0.0029 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Potassium | **0.90** | | mg/L | 0.50 | 0.40 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Sodium | **350** | | mg/L | 0.50 | 0.35 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| 528429-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| 528429-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 115% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Toluene-d8 | 97% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromofluorobenzene | 93% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365701 | 03/12/25 | 03/13/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 96% | | %REC | 80-120 | | 1 | 365701 | 03/12/25 | 03/13/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 365688 | 03/12/25 | 03/12/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **2.8** | | mg/L | 1.0 | 0.68 | 1 | 366009 | 03/14/25 | 03/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **290** | | mg/L | 5.0 | | 2.5 | 366196 | 03/15/25 | 03/15/25 | WWC |
| Alkalinity, Total as CaCO3 | **340** | | mg/L | 5.0 | | 2.5 | 366196 | 03/15/25 | 03/15/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,100** | | mg/L | 20 | | 2 | 365872 | 03/13/25 | 03/16/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| Sample ID: DW-9 | Lab ID: 528429-002 | Collected: 03/10/25 10:37 |
|---|---|---|
| | Matrix: Water | |

| 528429-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **2.0** | | mg/L | 0.20 | 0.034 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 19:09 | AJL |
| Chloride | **82** | | mg/L | 1.0 | 0.27 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 19:09 | AJL |
| Bromide | **0.26** | J | mg/L | 0.30 | 0.060 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 19:09 | AJL |
| Nitrogen, Nitrate | **2.0** | | mg/L | 0.10 | 0.05 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 19:09 | AJL |
| Sulfate | **690** | | mg/L | 10 | 1.8 | 10 | 365560 | 03/11/25 14:45 | 03/11/25 19:31 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 366666 | 03/21/25 | 03/24/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **5.0** | | mg/L | 4.0 | 2.0 | 1 | 367291 | 03/27/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.60** | | mg/L | 0.050 | 0.0055 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Calcium | **22** | | mg/L | 0.57 | 0.57 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Iron | **0.25** | | mg/L | 0.046 | 0.046 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Magnesium | **2.3** | | mg/L | 0.10 | 0.025 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Manganese | **0.0045** | J | mg/L | 0.010 | 0.0029 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Potassium | **1.4** | | mg/L | 0.50 | 0.40 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Sodium | **390** | | mg/L | 0.50 | 0.35 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| 528429-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloroethane-d4 | 116% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Toluene-d8 | 97% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| 528429-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365701 | 03/12/25 | 03/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 365701 | 03/12/25 | 03/14/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 365688 | 03/12/25 | 03/12/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.1** | | mg/L | 1.0 | 0.68 | 1 | 366009 | 03/14/25 | 03/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **170** | | mg/L | 10 | | 5 | 366196 | 03/15/25 | 03/15/25 | WWC |
| Alkalinity, Total as CaCO3 | **170** | | mg/L | 10 | | 5 | 366196 | 03/15/25 | 03/15/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,400** | | mg/L | 20 | | 2 | 365872 | 03/13/25 | 03/16/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| Sample ID: PZ-4 | Lab ID: 528429-003 | Collected: 03/10/25 11:49 |
|---|---|---|
| | Matrix: Water | |

| 528429-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.53** | | mg/L | 0.20 | 0.034 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 19:54 | AJL |
| Chloride | **61** | | mg/L | 1.0 | 0.27 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 19:54 | AJL |
| Bromide | **0.15** | J | mg/L | 0.30 | 0.060 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 19:54 | AJL |
| Nitrogen, Nitrate | **1.2** | | mg/L | 0.10 | 0.05 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 19:54 | AJL |
| Sulfate | **130** | | mg/L | 10 | 1.8 | 10 | 365560 | 03/11/25 14:45 | 03/11/25 20:16 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 366666 | 03/21/25 | 03/24/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **15** | | mg/L | 4.0 | 2.0 | 1 | 367291 | 03/27/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.30** | | mg/L | 0.050 | 0.0055 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Calcium | **53** | | mg/L | 0.57 | 0.57 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Magnesium | **10** | | mg/L | 0.10 | 0.025 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Potassium | **2.1** | | mg/L | 0.50 | 0.40 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Sodium | **180** | | mg/L | 0.50 | 0.35 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| 528429-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloroethane-d4 | 115% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528429

| 528429-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365701 | 03/12/25 | 03/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 365701 | 03/12/25 | 03/14/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 365688 | 03/12/25 | 03/12/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **5.3** | | mg/L | 1.0 | 0.68 | 1 | 366009 | 03/14/25 | 03/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **380** | | mg/L | 10 | | 5 | 366196 | 03/15/25 | 03/15/25 | WWC |
| Alkalinity, Total as CaCO3 | **380** | | mg/L | 10 | | 5 | 366196 | 03/15/25 | 03/15/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **740** | | mg/L | 20 | | 2 | 365872 | 03/13/25 | 03/16/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| Sample ID: DW-14 | Lab ID: 528429-004 | Collected: 03/10/25 13:03 |
|---|---|---|
| | Matrix: Water | |

| 528429-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.38** | | mg/L | 0.20 | 0.034 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 20:39 | AJL |
| Chloride | **96** | | mg/L | 1.0 | 0.27 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 20:39 | AJL |
| Bromide | **0.17** | J | mg/L | 0.30 | 0.060 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 20:39 | AJL |
| Nitrogen, Nitrate | **0.33** | | mg/L | 0.10 | 0.05 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 20:39 | AJL |
| Sulfate | **30** | | mg/L | 1.0 | 0.18 | 1 | 365560 | 03/11/25 14:45 | 03/11/25 20:39 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 366666 | 03/21/25 | 03/24/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **4.0** | | mg/L | 4.0 | 2.0 | 1 | 367291 | 03/27/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.12** | | mg/L | 0.050 | 0.0055 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Calcium | **2.6** | | mg/L | 0.57 | 0.57 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Iron | **0.25** | | mg/L | 0.046 | 0.046 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Magnesium | **0.22** | | mg/L | 0.10 | 0.025 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Manganese | **0.0031** | J | mg/L | 0.010 | 0.0029 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Potassium | **0.58** | | mg/L | 0.50 | 0.40 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Sodium | **150** | | mg/L | 0.50 | 0.35 | 1 | 365610 | 03/11/25 | 03/12/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| 528429-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloroethane-d4 | 115% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528429

| 528429-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365701 | 03/12/25 | 03/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 365701 | 03/12/25 | 03/14/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 365688 | 03/12/25 | 03/12/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.94** | J | mg/L | 1.0 | 0.68 | 1 | 366009 | 03/14/25 | 03/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **150** | | mg/L | 10 | | 5 | 366196 | 03/15/25 | 03/15/25 | WWC |
| Alkalinity, Total as CaCO3 | **180** | | mg/L | 10 | | 5 | 366196 | 03/15/25 | 03/15/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **450** | | mg/L | 20 | | 2 | 365872 | 03/13/25 | 03/16/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| Sample ID: QCFB | Lab ID: 528429-005 | Collected: 03/10/25 09:16 |
|---|---|---|
| | Matrix: Water | |

| 528429-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chloroform | **0.6** | J | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| 528429-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| 1,2-Dichloroethane-d4 | 115% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 365632 | 03/12/25 | 03/12/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| Sample ID: QCTB | Lab ID: 528429-006 | Collected: 03/10/25 |
|---|---|---|
| | Matrix: Water | |

| 528429-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Chloroform | **0.6** | J | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528429

| 528429-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| 1,2-Dichloroethane-d4 | 102% | | %REC | 70-130 | | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Toluene-d8 | 93% | | %REC | 70-130 | | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 366584 | 03/20/25 | 03/20/25 | ZST |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1237779** | **Batch:** | **365560** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1237779 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.034 | 03/11/25 14:45 | 03/11/25 14:56 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 03/11/25 14:45 | 03/11/25 14:56 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 03/11/25 14:45 | 03/11/25 14:56 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 03/11/25 14:45 | 03/11/25 14:56 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 03/11/25 14:45 | 03/11/25 14:56 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1237780** | **Batch:** | **365560** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1237780 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.221 | 10.00 | mg/L | 92% | | 90-110 |
| Chloride | 47.67 | 50.00 | mg/L | 95% | | 90-110 |
| Bromide | 15.02 | 15.00 | mg/L | 100% | | 90-110 |
| Nitrogen, Nitrate | 4.532 | 4.518 | mg/L | 100% | | 90-110 |
| Sulfate | 25.00 | 25.00 | mg/L | 100% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1237781** | **Batch:** | **365560** |
| **Matrix (Source ID):** | **Water (527827-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1237781 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.27 | 0.07102 | 20.00 | mg/L | 96% | | 80-120 | 1 |
| Chloride | 232.4 | 144.8 | 100.0 | mg/L | 88% | E | 80-120 | 1 |
| Bromide | 15.45 | 0.5475 | 15.00 | mg/L | 99% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.068 | ND | 9.036 | mg/L | 100% | | 80-120 | 1 |
| Sulfate | 51.13 | 1.383 | 50.00 | mg/L | 99% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1237782** | **Batch:** | **365560** |
| **Matrix (Source ID):** | **Water (527827-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1237782 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.48 | 0.07102 | 20.00 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |
| Chloride | 233.1 | 144.8 | 100.0 | mg/L | 88% | E | 80-120 | | 20 | 1 |
| Bromide | 15.51 | 0.5475 | 15.00 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 9.131 | ND | 9.036 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 51.51 | 1.383 | 50.00 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1241448** | **Batch:** | **366666** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1241448 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.017 | 1.000 | mg/L | 102% | | 90-110 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1241449 | Batch: 366666 |
|---|---|---|
| Matrix: Water | Method: EPA 350.1 | Prep Method: METHOD |

| QC1241449 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 03/21/25 | 03/24/25 |

| Type: Matrix Spike | Lab ID: QC1241720 | Batch: 366666 |
|---|---|---|
| Matrix (Source ID): Water (528749-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1241720 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.104 | 0.08310 | 1.000 | mg/L | 102% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1241721 | Batch: 366666 |
|---|---|---|
| Matrix (Source ID): Water (528749-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1241721 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.106 | 0.08310 | 1.000 | mg/L | 102% | | 90-110 | 0 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1241722 | Batch: 366666 |
|---|---|---|
| Matrix (Source ID): Water (528749-002) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1241722 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.101 | 0.1163 | 1.000 | mg/L | 98% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1241723 | Batch: 366666 |
|---|---|---|
| Matrix (Source ID): Water (528749-002) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1241723 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.179 | 0.1163 | 1.000 | mg/L | 106% | | 90-110 | 7 | 20 | 1 |

| Type: Blank | Lab ID: QC1243503 | Batch: 367291 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1243503 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 03/27/25 | 03/28/25 |

| Type: Lab Control Sample | Lab ID: QC1243504 | Batch: 367291 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1243504 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 103.0 | 100.0 | mg/L | 103% | | 90-110 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1243505 | Batch: | 367291 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528429-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1243505 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 96.00 | ND | 100.0 | mg/L | 96% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1243506 | Batch: | 367291 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528429-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1243506 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 98.00 | ND | 100.0 | mg/L | 98% | | 75-125 | 2 | 20 | 2 |

| Type: | Blank | Lab ID: | QC1237934 | Batch: | 365610 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1237934 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 03/11/25 | 03/12/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/11/25 | 03/12/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 03/11/25 | 03/12/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 03/11/25 | 03/12/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 03/11/25 | 03/12/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 03/11/25 | 03/12/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 03/11/25 | 03/12/25 |

| Type: | Lab Control Sample | Lab ID: | QC1237935 | Batch: | 365610 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1237935 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3480 | 0.4000 | mg/L | 87% | | 80-120 |
| Calcium | 18.85 | 20.40 | mg/L | 92% | | 80-120 |
| Iron | 0.3781 | 0.4000 | mg/L | 95% | | 80-120 |
| Magnesium | 18.96 | 20.40 | mg/L | 93% | | 80-120 |
| Manganese | 0.3643 | 0.4000 | mg/L | 91% | | 80-120 |
| Potassium | 20.92 | 24.00 | mg/L | 87% | | 80-120 |
| Sodium | 18.40 | 20.40 | mg/L | 90% | | 80-120 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1237982 | Batch: | 365610 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528429-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1237982 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 1.706 | 1.356 | 0.4000 | mg/L | 88% | | 75-125 | 1 |
| Calcium | 23.83 | 4.756 | 20.40 | mg/L | 94% | | 75-125 | 1 |
| Iron | 0.3774 | ND | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Magnesium | 20.03 | 0.8201 | 20.40 | mg/L | 94% | | 75-125 | 1 |
| Manganese | 0.3693 | 0.003685 | 0.4000 | mg/L | 91% | | 75-125 | 1 |
| Potassium | 22.96 | 0.8963 | 24.00 | mg/L | 92% | | 75-125 | 1 |
| Sodium | 363.5 | 349.0 | 20.40 | mg/L | 71% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1237983 | Batch: | 365610 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528429-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1237983 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 1.700 | 1.356 | 0.4000 | mg/L | 86% | | 75-125 | 0 | 20 | 1 |
| Calcium | 23.47 | 4.756 | 20.40 | mg/L | 92% | | 75-125 | 2 | 20 | 1 |
| Iron | 0.3787 | ND | 0.4000 | mg/L | 95% | | 75-125 | 0 | 20 | 1 |
| Magnesium | 19.65 | 0.8201 | 20.40 | mg/L | 92% | | 75-125 | 2 | 20 | 1 |
| Manganese | 0.3618 | 0.003685 | 0.4000 | mg/L | 90% | | 75-125 | 2 | 20 | 1 |
| Potassium | 22.56 | 0.8963 | 24.00 | mg/L | 90% | | 75-125 | 2 | 20 | 1 |
| Sodium | 363.4 | 349.0 | 20.40 | mg/L | 71% | NM | 75-125 | 0 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1238242 | Batch: | 365610 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528429-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1238242 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 1.401 | 1.356 | mg/L | | | | 5 |
| Calcium | 4.958 | 4.756 | mg/L | | | | 5 |
| Iron | ND | ND | mg/L | | | | 5 |
| Magnesium | 0.8510 | 0.8201 | mg/L | | | | 5 |
| Manganese | ND | 0.003685 | mg/L | | | | 5 |
| Potassium | ND | 0.8963 | mg/L | | | | 5 |
| Sodium | 369.8 | 349.0 | mg/L | | | | 5 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Lab Control Sample | Lab ID: QC1238027 | Batch: 365632 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1238027 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 58.55 | 50.00 | ug/L | 117% | | 70-135 |
| MTBE | 46.72 | 50.00 | ug/L | 93% | | 70-130 |
| Benzene | 44.57 | 50.00 | ug/L | 89% | | 70-130 |
| Trichloroethene | 46.36 | 50.00 | ug/L | 93% | | 70-130 |
| Toluene | 45.99 | 50.00 | ug/L | 92% | | 70-130 |
| Chlorobenzene | 47.17 | 50.00 | ug/L | 94% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.16 | 50.00 | ug/L | 102% | | 70-130 |
| 1,2-Dichloroethane-d4 | 58.16 | 50.00 | ug/L | 116% | | 70-130 |
| Toluene-d8 | 49.00 | 50.00 | ug/L | 98% | | 70-130 |
| Bromofluorobenzene | 47.23 | 50.00 | ug/L | 94% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1238028 | Batch: 365632 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1238028 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 61.95 | 50.00 | ug/L | 124% | | 70-135 | 6 | 30 |
| MTBE | 48.02 | 50.00 | ug/L | 96% | | 70-130 | 3 | 30 |
| Benzene | 47.83 | 50.00 | ug/L | 96% | | 70-130 | 7 | 30 |
| Trichloroethene | 48.32 | 50.00 | ug/L | 97% | | 70-130 | 4 | 30 |
| Toluene | 48.46 | 50.00 | ug/L | 97% | | 70-130 | 5 | 30 |
| Chlorobenzene | 49.62 | 50.00 | ug/L | 99% | | 70-130 | 5 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.30 | 50.00 | ug/L | 103% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 58.15 | 50.00 | ug/L | 116% | | 70-130 | | |
| Toluene-d8 | 48.65 | 50.00 | ug/L | 97% | | 70-130 | | |
| Bromofluorobenzene | 47.14 | 50.00 | ug/L | 94% | | 70-130 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1238030** | **Batch:** | **365632** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238030 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 03/12/25 | 03/12/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 03/12/25 | 03/12/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/12/25 | 03/12/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 03/12/25 | 03/12/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Acetone | ND | | ug/L | 100 | 17 | 03/12/25 | 03/12/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 03/12/25 | 03/12/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 03/12/25 | 03/12/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 03/12/25 | 03/12/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 03/12/25 | 03/12/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 03/12/25 | 03/12/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/12/25 | 03/12/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |

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# Batch QC

| QC1238030 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 03/12/25 | 03/12/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 03/12/25 | 03/12/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 03/12/25 | 03/12/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/12/25 | 03/12/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 03/12/25 | 03/12/25 |
| 1,2-Dichloroethane-d4 | 118% | | %REC | 70-130 | | 03/12/25 | 03/12/25 |
| Toluene-d8 | 99% | | %REC | 70-130 | | 03/12/25 | 03/12/25 |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 03/12/25 | 03/12/25 |

**Type:** Matrix Spike **Lab ID:** QC1238154 **Batch:** 365632
**Matrix (Source ID):** Water (528048-002) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1238154 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 22.72 | ND | 20.00 | ug/L | 114% | | 70-130 | 1 |
| MTBE | 19.64 | ND | 20.00 | ug/L | 98% | | 75-130 | 1 |
| Benzene | 17.54 | ND | 20.00 | ug/L | 88% | | 70-130 | 1 |
| Trichloroethene | 19.03 | ND | 20.00 | ug/L | 95% | | 63-130 | 1 |
| Toluene | 18.65 | ND | 20.00 | ug/L | 93% | | 70-130 | 1 |
| Chlorobenzene | 18.85 | ND | 20.00 | ug/L | 94% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.17 | | 50.00 | ug/L | 104% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 56.11 | | 50.00 | ug/L | 112% | | 70-130 | 1 |
| Toluene-d8 | 48.59 | | 50.00 | ug/L | 97% | | 70-130 | 1 |
| Bromofluorobenzene | 50.33 | | 50.00 | ug/L | 101% | | 70-130 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1238155** | **Batch:** | **365632** |
| **Matrix (Source ID):** | **Water (528048-002)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238155 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 21.05 | ND | 20.00 | ug/L | 105% | | 70-130 | 8 | 30 | 1 |
| MTBE | 18.10 | ND | 20.00 | ug/L | 90% | | 75-130 | 8 | 30 | 1 |
| Benzene | 16.68 | ND | 20.00 | ug/L | 83% | | 70-130 | 5 | 30 | 1 |
| Trichloroethene | 18.13 | ND | 20.00 | ug/L | 91% | | 63-130 | 5 | 30 | 1 |
| Toluene | 16.99 | ND | 20.00 | ug/L | 85% | | 70-130 | 9 | 30 | 1 |
| Chlorobenzene | 17.37 | ND | 20.00 | ug/L | 87% | | 70-130 | 8 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 52.13 | | 50.00 | ug/L | 104% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 56.61 | | 50.00 | ug/L | 113% | | 70-130 | | | 1 |
| Toluene-d8 | 48.75 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Bromofluorobenzene | 47.65 | | 50.00 | ug/L | 95% | | 70-130 | | | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1241152 | **Batch:** 366584 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1241152 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 03/20/25 | 03/20/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 03/20/25 | 03/20/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/20/25 | 03/20/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 03/20/25 | 03/20/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| Acetone | ND | | ug/L | 100 | 44 | 03/20/25 | 03/20/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 03/20/25 | 03/20/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 03/20/25 | 03/20/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 03/20/25 | 03/20/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 03/20/25 | 03/20/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 03/20/25 | 03/20/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 03/20/25 | 03/20/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 03/20/25 | 03/20/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 03/20/25 | 03/20/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/20/25 | 03/20/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |

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# Batch QC

| QC1241152 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/20/25 | 03/20/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/20/25 | 03/20/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 03/20/25 | 03/20/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/20/25 | 03/20/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/20/25 | 03/20/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/20/25 | 03/20/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 03/20/25 | 03/20/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/20/25 | 03/20/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 03/20/25 | 03/20/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 03/20/25 | 03/20/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 03/20/25 | 03/20/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 03/20/25 | 03/20/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 03/20/25 | 03/20/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/20/25 | 03/20/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 03/20/25 | 03/20/25 |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 03/20/25 | 03/20/25 |
| Toluene-d8 | 98% | | %REC | 70-130 | | 03/20/25 | 03/20/25 |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 03/20/25 | 03/20/25 |

**Type:** Lab Control Sample **Lab ID:** QC1241153 **Batch:** 366584
**Matrix:** Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1241153 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 52.11 | 50.00 | ug/L | 104% | | 70-135 |
| MTBE | 43.66 | 50.00 | ug/L | 87% | | 70-130 |
| Benzene | 45.12 | 50.00 | ug/L | 90% | | 70-130 |
| Trichloroethene | 46.95 | 50.00 | ug/L | 94% | | 70-130 |
| Toluene | 46.25 | 50.00 | ug/L | 93% | | 70-130 |
| Chlorobenzene | 47.56 | 50.00 | ug/L | 95% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.88 | 50.00 | ug/L | 104% | | 70-130 |
| 1,2-Dichloroethane-d4 | 47.64 | 50.00 | ug/L | 95% | | 70-130 |
| Toluene-d8 | 48.77 | 50.00 | ug/L | 98% | | 70-130 |
| Bromofluorobenzene | 47.23 | 50.00 | ug/L | 94% | | 70-130 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1241154** | **Batch:** | **366584** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1241154 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 48.52 | 50.00 | ug/L | 97% | | 70-135 | 7 | 30 |
| MTBE | 42.90 | 50.00 | ug/L | 86% | | 70-130 | 2 | 30 |
| Benzene | 43.06 | 50.00 | ug/L | 86% | | 70-130 | 5 | 30 |
| Trichloroethene | 43.85 | 50.00 | ug/L | 88% | | 70-130 | 7 | 30 |
| Toluene | 42.90 | 50.00 | ug/L | 86% | | 70-130 | 8 | 30 |
| Chlorobenzene | 44.26 | 50.00 | ug/L | 89% | | 70-130 | 7 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.19 | 50.00 | ug/L | 104% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 49.18 | 50.00 | ug/L | 98% | | 70-130 | | |
| Toluene-d8 | 48.05 | 50.00 | ug/L | 96% | | 70-130 | | |
| Bromofluorobenzene | 45.98 | 50.00 | ug/L | 92% | | 70-130 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1241193** | **Batch:** | **366584** |
| **Matrix (Source ID):** | **Water (528814-001)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1241193 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 20.65 | ND | 20.00 | ug/L | 103% | | 70-130 | 1 |
| MTBE | 17.66 | ND | 20.00 | ug/L | 88% | | 75-130 | 1 |
| Benzene | 18.65 | ND | 20.00 | ug/L | 93% | | 70-130 | 1 |
| Trichloroethene | 19.43 | ND | 20.00 | ug/L | 97% | | 63-130 | 1 |
| Toluene | 18.49 | ND | 20.00 | ug/L | 92% | | 70-130 | 1 |
| Chlorobenzene | 19.92 | 0.4486 | 20.00 | ug/L | 97% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.66 | | 50.00 | ug/L | 107% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 51.58 | | 50.00 | ug/L | 103% | | 70-130 | 1 |
| Toluene-d8 | 47.77 | | 50.00 | ug/L | 96% | | 70-130 | 1 |
| Bromofluorobenzene | 48.12 | | 50.00 | ug/L | 96% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1241194 | Batch: | 366584 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528814-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1241194 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 18.66 | ND | 20.00 | ug/L | 93% | | 70-130 | 10 | 30 | 1 |
| MTBE | 16.23 | ND | 20.00 | ug/L | 81% | | 75-130 | 8 | 30 | 1 |
| Benzene | 16.90 | ND | 20.00 | ug/L | 85% | | 70-130 | 10 | 30 | 1 |
| Trichloroethene | 18.18 | ND | 20.00 | ug/L | 91% | | 63-130 | 7 | 30 | 1 |
| Toluene | 17.45 | ND | 20.00 | ug/L | 87% | | 70-130 | 6 | 30 | 1 |
| Chlorobenzene | 18.55 | 0.4486 | 20.00 | ug/L | 90% | | 70-130 | 7 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 53.11 | | 50.00 | ug/L | 106% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 50.15 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| Toluene-d8 | 49.31 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.34 | | 50.00 | ug/L | 97% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1238224 | Batch: | 365701 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238224 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 03/12/25 | 03/13/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 03/12/25 | 03/13/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238225 | Batch: | 365701 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238225 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.502 | 10.00 | ug/L | 85% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.996 | 10.00 | ug/L | 100% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1238226 | Batch: | 365701 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238226 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.346 | 10.00 | ug/L | 93% | | 80-120 | 9 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.09 | 10.00 | ug/L | 101% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1238180 | Batch: | 365688 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1238180 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/12/25 | 03/12/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1238183 **Batch:** 365688
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1238183 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1238184 **Batch:** 365688
**Matrix (Source ID):** Water (528033-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1238184 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1238185 **Batch:** 365688
**Matrix (Source ID):** Water (528033-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1238185 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1239206 **Batch:** 366009
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239206 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 03/14/25 | 03/15/25 |

**Type:** Lab Control Sample **Lab ID:** QC1239207 **Batch:** 366009
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239207 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 23.16 | 25.00 | mg/L | 93% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1239208 **Batch:** 366009
**Matrix (Source ID):** Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239208 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 4,069 | 4283 | 25.00 | mg/L | -856% | NM | 75-125 | 27 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1239209 **Batch:** 366009
**Matrix (Source ID):** Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239209 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 4,016 | 4283 | 25.00 | mg/L | -1068% | NM | 75-125 | 1 | 25 | 27 |

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# Batch QC

| Type: Blank | Lab ID: QC1239890 | Batch: 366196 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1239890 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 03/15/25 | 03/15/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 03/15/25 | 03/15/25 |

| Type: Lab Control Sample | Lab ID: QC1239891 | Batch: 366196 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1239891 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 973.7 | 1000 | mg/L | 97% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1240591 | Batch: 366196 |
|---|---|---|
| Matrix (Source ID): Water (528415-009) | Method: SM2320B | Prep Method: METHOD |

| QC1240591 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 564.5 | 556.9 | mg/L | | 1 | 20 | 10 |
| Alkalinity, Total as CaCO3 | 564.5 | 556.9 | mg/L | | 1 | 20 | 10 |

| Type: Blank | Lab ID: QC1238828 | Batch: 365872 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1238828 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 03/13/25 | 03/16/25 |

| Type: Lab Control Sample | Lab ID: QC1238829 | Batch: 365872 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1238829 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 652.0 | 600.0 | mg/L | 109% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1239585 | Batch: 365872 |
|---|---|---|
| Matrix (Source ID): Water (528438-007) | Method: SM2540C | Prep Method: METHOD |

| QC1239585 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 2,532 | 2422 | mg/L | | 4 | 5 | 2 |

E Response exceeds instrument's linear range
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 528429**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2503B22

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-528429

**Project Location:**
**Project Received:** 03/17/2025

Analytical Report reviewed & approved for release on 03/18/2025 by:

Jena Alfaro
Project Manager

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503B22
**Project:** EO-528429

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503B22

**Project:** EO-528429

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| H | Sample was analyzed out of hold time |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B22 |
| **Date Received:** | 03/17/2025 11:38 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/18/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-528429 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-28 | 2503B22-001A | Water | 03/10/2025 09:13 | GC26 0318250910.D | 313540 |

| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Carbon Dioxide | **970** | H | 50 | 50 | 1 | 03/18/2025 11:44 |

Analyst(s): CLO  Analytical Comments: H

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-9 | 2503B22-002A | Water | 03/10/2025 10:37 | GC26 0318250912.D | 313540 |

| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Carbon Dioxide | **900** | H | 50 | 50 | 1 | 03/18/2025 12:08 |

Analyst(s): CLO  Analytical Comments: H

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| PZ-4 | 2503B22-003A | Water | 03/10/2025 11:49 | GC26 0318250915.D | 313540 |

| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Carbon Dioxide | **12,000** | H | 500 | 500 | 10 | 03/18/2025 12:43 |

Analyst(s): CLO  Analytical Comments: H

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B22 |
| **Date Received:** | 03/17/2025 11:38 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/18/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-528429 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-14 | 2503B22-004A | Water | 03/10/2025 13:03 | GC26 0318250917.D | 313540 |

| Analytes | Result | Qualifiers | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| Carbon Dioxide | **440** | H | 50 | 50 | 1 | 03/18/2025 13:06 |

Analyst(s): CLO

Analytical Comments: H

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B22 |
| **Date Prepared:** | 03/18/2025 | **BatchID:** | 313540 |
| **Date Analyzed:** | 03/18/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528429 | **Sample ID:** | MB/LCS/LCSD-313540 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 160 | 187.2 | 76 | 83 | 70-130 | 9.12 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503B22** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-528429

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 1 day;**

*Date Received:* **03/17/2025**
*Date Logged:* **03/17/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503B22-001 | DW-28 | Water | 3/10/2025 09:13 | ☐ | A | A | | | | | | | | | | |
| 2503B22-002 | DW-9 | Water | 3/10/2025 10:37 | ☐ | A | A | | | | | | | | | | |
| 2503B22-003 | PZ-4 | Water | 3/10/2025 11:49 | ☐ | A | A | | | | | | | | | | |
| 2503B22-004 | DW-14 | Water | 3/10/2025 13:03 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-528429 **Work Order:** 2503B22
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-28 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 3/10/2025 9:13 | 1 day | 3/18/2025 | None | ☐ | ☐ |
| 002A | DW-9 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 3/10/2025 10:37 | 1 day | 3/18/2025 | None | ☐ | ☐ |
| 003A | PZ-4 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 3/10/2025 11:49 | 1 day | 3/18/2025 | None | ☐ | ☐ |
| 004A | DW-14 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 3/10/2025 13:03 | 1 day | 3/18/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2503B22

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-528429
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

**HOLD TIME RUSH**

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-28 | 10-MAR-2025 09:13 | 528429-001 | 3 2 | Water | RSK-175 CO2 | |
| DW-9 | 10-MAR-2025 10:37 | 528429-002 | 3 2 | Water | RSK-175 CO2 | |
| PZ-4 | 10-MAR-2025 11:49 | 528429-003 | 3 2 | Water | RSK-175 CO2 | |
| DW-14 | 10-MAR-2025 13:03 | 528429-004 | 3 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Ventura EA-ORA | |
| | Date: 3/12/25 1645 | Date: |
| | | Emily Pe |
| | Date: | Date: 3/17/25 1138 |
| | | |
| | Date: | Date: |

GIS: 5627512897

2.2 set #30

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 3/17/2025 11:38 |
| Project: | EO-528429 | Date Logged: | 3/17/2025 |
| | | Received by: | Emily Perez |
| WorkOrder №: | 2503B22 Matrix: Water | Logged by: | Emily Perez |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☐ | No | ☐ | NA | ☑ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 2.2°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528520
Report Level : II
Report Date : 03/28/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill - Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 528520<br>GW MONITORING<br>Chiquita Canyon Landfill - Quarterly MPars<br>03/11/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-12 | 528520-001 | 03/11/25 08:19 | Water |
| DW-7 | 528520-002 | 03/11/25 09:09 | Water |
| DW-18 | 528520-003 | 03/11/25 10:18 | Water |
| DW-21 | 528520-004 | 03/11/25 11:07 | Water |
| QCFB | 528520-005 | 03/11/25 08:21 | Water |
| QCTB | 528520-006 | 03/11/25 00:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 528520<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill - Quarterly MPars<br>Date Received: 03/11/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 03/12/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Naphthalene was detected between the MDL and the RL in the method blank for batch 365765; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**

- High response was observed for manganese in the CCV analyzed 03/13/25 15:37; affected data was qualified with "b".
- High response was observed for manganese in the CCV analyzed 03/13/25 16:21; affected data was qualified with "b".
- High response was observed for manganese in the CCV analyzed 03/13/25 14:54; affected data was qualified with "b".
- No other analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD of DW-12 (lab # 528520-001); affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**

- High recovery was observed for chemical oxygen demand in the MS of DW-28 (lab # 528429-001); the LCS was within limits, the associated RPD was within limits, and the high recovery was not associated with any reported results.
- No other analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

**Chain of Custody Record**

Lab No: 528520

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-12 | 3/11/25 | 819 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-7 | ↓ | 909 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 3 | DW-18 | ↓ | 1018 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 4 | DW-21 | ↓ | 1107 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | ↓ | 821 | ↓ | 3 | ↓ | X | | | | | | | | |
| 6 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Analysis Request**

ER ID 5.0, 5.0

**Quarterly MPars**

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

Login 528520

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 3·11·25 1240 |
| [1] Received By: | | Jim Lin | EA·NH | 3·11·25 1240 |
| [2] Relinquished By: | | Jim Lin | EA·NH | 3·12·25 0830 |
| [2] Received By: | | Hrag B. | EA·NH | 3/12/25 0830 |
| [3] Relinquished By: | | Hrag B. | EA·NH | 3/12/25 1307 |
| [3] Received By: | | | | |

Nicole Rec 3-12-25 1400 Rec: Adam Dinkmeyer EA 3/12/25 1400

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**
Date Received: 3/12/25 WO# 528520 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No
Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 3/12/25 By (initials) NIG Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0
Cooler Temp (°C) #1: 5.0 / 5.0 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? ABD 3/12/25 | ✓ | ✓ | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**
(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 3/11/25 **By (print)** ABD **(sign)** ABD
**Date Labeled** 3/12/25 **By (print)** EA-OR **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 528520

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528520
Project No: GW MONITORING
Location: Chiquita Canyon Landfill - Quarterly MPars
Date Received: 03/11/25

**Sample ID: DW-12** **Lab ID: 528520-001** **Collected: 03/11/25 08:19**
**Matrix: Water**

| 528520-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.53** | | mg/L | 0.20 | 0.073 | 1 | 365780 | 03/13/25 10:00 | 03/13/25 13:44 | AJL |
| Chloride | **190** | | mg/L | 1.0 | 0.27 | 1 | 365716 | 03/12/25 17:11 | 03/12/25 21:49 | AJL |
| Bromide | **0.75** | | mg/L | 0.30 | 0.060 | 1 | 365716 | 03/12/25 17:11 | 03/12/25 21:49 | AJL |
| Nitrogen, Nitrate | **3.6** | | mg/L | 0.10 | 0.05 | 1 | 365716 | 03/12/25 17:11 | 03/12/25 21:49 | AJL |
| Sulfate | **300** | | mg/L | 10 | 1.8 | 10 | 365716 | 03/12/25 17:11 | 03/12/25 23:42 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 366915 | 03/25/25 | 03/26/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **5.0** | | mg/L | 4.0 | 2.0 | 1 | 367291 | 03/27/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.20** | | mg/L | 0.050 | 0.0062 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Calcium | **24** | | mg/L | 0.57 | 0.57 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Magnesium | **2.9** | | mg/L | 0.10 | 0.025 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Potassium | **1.7** | | mg/L | 0.50 | 0.42 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Sodium | **270** | | mg/L | 0.50 | 0.34 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528520

| 528520-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 101% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528520

| 528520-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 103% | | %REC | 80-120 | | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366053 | 03/15/25 | 03/15/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.69** | J | mg/L | 1.0 | 0.68 | 1 | 366009 | 03/14/25 | 03/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **190** | | mg/L | 10 | | 5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **190** | | mg/L | 10 | | 5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **950** | | mg/L | 20 | | 2 | 366108 | 03/16/25 | 03/17/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528520

| Sample ID: DW-7 | Lab ID: 528520-002 | Collected: 03/11/25 09:09 |
|---|---|---|
| | Matrix: Water | |

| 528520-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.14** | J | mg/L | 0.20 | 0.073 | 1 | 365780 | 03/13/25 10:00 | 03/13/25 14:01 | AJL |
| Chloride | **83** | | mg/L | 1.0 | 0.27 | 1 | 365716 | 03/12/25 17:11 | 03/13/25 00:04 | AJL |
| Bromide | **0.16** | J | mg/L | 0.30 | 0.060 | 1 | 365716 | 03/12/25 17:11 | 03/13/25 00:04 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 365716 | 03/12/25 17:11 | 03/13/25 00:04 | AJL |
| Sulfate | **650** | | mg/L | 10 | 1.8 | 10 | 365716 | 03/12/25 17:11 | 03/13/25 00:27 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 366915 | 03/25/25 | 03/26/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 367291 | 03/27/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.17** | | mg/L | 0.050 | 0.0062 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Calcium | **33** | | mg/L | 0.57 | 0.57 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Magnesium | **1.6** | | mg/L | 0.10 | 0.025 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Potassium | **1.1** | | mg/L | 0.50 | 0.42 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Sodium | **320** | | mg/L | 0.50 | 0.34 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528520

| 528520-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 101% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528520

| 528520-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366053 | 03/15/25 | 03/15/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 366009 | 03/14/25 | 03/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **120** | | mg/L | 5.0 | | 2.5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **120** | | mg/L | 5.0 | | 2.5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,300** | | mg/L | 20 | | 2 | 366108 | 03/16/25 | 03/17/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528520

| Sample ID: DW-18 | Lab ID: 528520-003 | Collected: 03/11/25 10:18 |
|---|---|---|
| | Matrix: Water | |

| 528520-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.22** | | mg/L | 0.20 | 0.073 | 1 | 365780 | 03/13/25 10:00 | 03/13/25 14:18 | AJL |
| Chloride | **110** | | mg/L | 1.0 | 0.27 | 1 | 365716 | 03/12/25 17:11 | 03/13/25 00:49 | AJL |
| Bromide | **0.32** | | mg/L | 0.30 | 0.060 | 1 | 365716 | 03/12/25 17:11 | 03/13/25 00:49 | AJL |
| Nitrogen, Nitrate | **3.0** | | mg/L | 0.10 | 0.05 | 1 | 365716 | 03/12/25 17:11 | 03/13/25 00:49 | AJL |
| Sulfate | **350** | | mg/L | 10 | 1.8 | 10 | 365716 | 03/12/25 17:11 | 03/13/25 01:12 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 366915 | 03/25/25 | 03/26/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **14** | | mg/L | 4.0 | 2.0 | 1 | 367291 | 03/27/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.35** | | mg/L | 0.050 | 0.0062 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Calcium | **26** | | mg/L | 0.57 | 0.57 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Magnesium | **2.1** | | mg/L | 0.10 | 0.025 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Potassium | **1.4** | | mg/L | 0.50 | 0.42 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Sodium | **280** | | mg/L | 0.50 | 0.34 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528520

| 528520-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 101% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528520

| 528520-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366053 | 03/15/25 | 03/15/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **4.2** | | mg/L | 1.0 | 0.68 | 1 | 366009 | 03/14/25 | 03/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **150** | | mg/L | 5.0 | | 2.5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **150** | | mg/L | 5.0 | | 2.5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,000** | | mg/L | 20 | | 2 | 366108 | 03/16/25 | 03/17/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528520

| Sample ID: DW-21 | Lab ID: 528520-004 | Collected: 03/11/25 11:07 |
|---|---|---|
| | Matrix: Water | |

| 528520-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.75** | | mg/L | 0.20 | 0.073 | 1 | 365780 | 03/13/25 10:00 | 03/13/25 14:35 | AJL |
| Chloride | **55** | | mg/L | 1.0 | 0.27 | 1 | 365716 | 03/12/25 17:11 | 03/13/25 01:34 | AJL |
| Bromide | **0.18** | J | mg/L | 0.30 | 0.060 | 1 | 365716 | 03/12/25 17:11 | 03/13/25 01:34 | AJL |
| Nitrogen, Nitrate | **0.11** | | mg/L | 0.10 | 0.05 | 1 | 365716 | 03/12/25 17:11 | 03/13/25 01:34 | AJL |
| Sulfate | **120** | | mg/L | 10 | 1.8 | 10 | 365716 | 03/12/25 17:11 | 03/13/25 01:57 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 366915 | 03/25/25 | 03/26/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 367291 | 03/27/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.26** | | mg/L | 0.050 | 0.0062 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Calcium | **3.8** | | mg/L | 0.57 | 0.57 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Iron | **0.059** | | mg/L | 0.041 | 0.041 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Magnesium | **0.16** | | mg/L | 0.10 | 0.025 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Sodium | **140** | | mg/L | 0.50 | 0.34 | 1 | 365766 | 03/13/25 | 03/13/25 | DXC |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528520

| 528520-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528520

| 528520-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 98% | | %REC | 80-120 | | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366053 | 03/15/25 | 03/15/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 366009 | 03/14/25 | 03/16/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **130** | | mg/L | 5.0 | | 2.5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **160** | | mg/L | 5.0 | | 2.5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **450** | | mg/L | 20 | | 2 | 366108 | 03/16/25 | 03/17/25 | RDL |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 528520

| Sample ID: QCFB | Lab ID: 528520-005 | Collected: 03/11/25 08:21 |
|---|---|---|
| | Matrix: Water | |

| 528520-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroform | **0.6** | J | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 528520

| 528520-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 101% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 528520

| Sample ID: QCTB | Lab ID: 528520-006 | Collected: 03/11/25 |
|---|---|---|
| | Matrix: Water | |

| 528520-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroform | **0.6** | J | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 528520

| 528520-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1238269** | **Batch:** | **365716** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1238269 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 03/12/25 17:11 | 03/12/25 18:26 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 03/12/25 17:11 | 03/12/25 18:26 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 03/12/25 17:11 | 03/12/25 18:26 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 03/12/25 17:11 | 03/12/25 18:26 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238270** | **Batch:** | **365716** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1238270 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 48.08 | 50.00 | mg/L | 96% | | 90-110 |
| Bromide | 15.03 | 15.00 | mg/L | 100% | | 90-110 |
| Nitrogen, Nitrate | 4.518 | 4.518 | mg/L | 100% | | 90-110 |
| Sulfate | 24.94 | 25.00 | mg/L | 100% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1238271** | **Batch:** | **365716** |
| **Matrix (Source ID):** | **Water (528513-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1238271 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 324.7 | 250.0 | 100.0 | mg/L | 75% | E,NM | 80-120 | 1 |
| Bromide | 15.65 | 0.5844 | 15.00 | mg/L | 100% | | 80-120 | 1 |
| Nitrogen, Nitrate | 10.66 | 1.492 | 9.036 | mg/L | 101% | | 80-120 | 1 |
| Sulfate | 92.75 | 43.63 | 50.00 | mg/L | 98% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1238272** | **Batch:** | **365716** |
| **Matrix (Source ID):** | **Water (528513-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1238272 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 324.6 | 250.0 | 100.0 | mg/L | 75% | E,NM | 80-120 | | 20 | 1 |
| Bromide | 15.67 | 0.5844 | 15.00 | mg/L | 101% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 10.66 | 1.492 | 9.036 | mg/L | 101% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 92.85 | 43.63 | 50.00 | mg/L | 98% | | 80-120 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1238274** | **Batch:** | **365716** |
| **Matrix (Source ID):** | **Water (528520-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1238274 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 273.5 | 191.4 | 100.0 | mg/L | 82% | E | 80-120 | 1 |
| Bromide | 15.76 | 0.7548 | 15.00 | mg/L | 100% | | 80-120 | 1 |
| Nitrogen, Nitrate | 12.66 | 3.554 | 9.036 | mg/L | 101% | | 80-120 | 1 |
| Sulfate | 320.5 | 303.9 | 50.00 | mg/L | 33% | E,NM | 80-120 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

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|---|---|---|---|---|---|
| **Type:** | Matrix Spike Duplicate | **Lab ID:** | QC1238275 | **Batch:** | 365716 |
| **Matrix (Source ID):** | Water (528520-001) | **Method:** | EPA 300.0 | **Prep Method:** | METHOD |

| QC1238275 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 272.2 | 191.4 | 100.0 | mg/L | 81% | E | 80-120 | | 20 | 1 |
| Bromide | 15.58 | 0.7548 | 15.00 | mg/L | 99% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 12.53 | 3.554 | 9.036 | mg/L | 99% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 320.0 | 303.9 | 50.00 | mg/L | 32% | E,NM | 80-120 | | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | Blank | **Lab ID:** | QC1238546 | **Batch:** | 365780 |
| **Matrix:** | Water | **Method:** | EPA 300.0 | **Prep Method:** | METHOD |

| QC1238546 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 03/13/25 10:00 | 03/13/25 10:05 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | Lab Control Sample | **Lab ID:** | QC1238547 | **Batch:** | 365780 |
| **Matrix:** | Water | **Method:** | EPA 300.0 | **Prep Method:** | METHOD |

| QC1238547 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.145 | 10.00 | mg/L | 91% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | Matrix Spike | **Lab ID:** | QC1238548 | **Batch:** | 365780 |
| **Matrix (Source ID):** | Water (528513-002) | **Method:** | EPA 300.0 | **Prep Method:** | METHOD |

| QC1238548 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.60 | 0.2709 | 20.00 | mg/L | 97% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | Matrix Spike Duplicate | **Lab ID:** | QC1238549 | **Batch:** | 365780 |
| **Matrix (Source ID):** | Water (528513-002) | **Method:** | EPA 300.0 | **Prep Method:** | METHOD |

| QC1238549 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.55 | 0.2709 | 20.00 | mg/L | 96% | | 80-120 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | Lab Control Sample | **Lab ID:** | QC1242301 | **Batch:** | 366915 |
| **Matrix:** | Water | **Method:** | EPA 350.1 | **Prep Method:** | METHOD |

| QC1242301 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9366 | 1.000 | mg/L | 94% | | 90-110 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1242302 | Batch: 366915 |
|---|---|---|
| Matrix: Water | Method: EPA 350.1 | Prep Method: METHOD |

| QC1242302 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 03/25/25 | 03/26/25 |

| Type: Matrix Spike | Lab ID: QC1242462 | Batch: 366915 |
|---|---|---|
| Matrix (Source ID): Water (528871-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1242462 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.021 | ND | 1.000 | mg/L | 102% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1242463 | Batch: 366915 |
|---|---|---|
| Matrix (Source ID): Water (528871-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1242463 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9894 | ND | 1.000 | mg/L | 99% | | 90-110 | 3 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1242464 | Batch: 366915 |
|---|---|---|
| Matrix (Source ID): Water (528871-002) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1242464 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.014 | 0.05442 | 1.000 | mg/L | 96% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1242465 | Batch: 366915 |
|---|---|---|
| Matrix (Source ID): Water (528871-002) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1242465 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.067 | 0.05442 | 1.000 | mg/L | 101% | | 90-110 | 5 | 20 | 1 |

| Type: Blank | Lab ID: QC1243503 | Batch: 367291 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1243503 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 03/27/25 | 03/28/25 |

| Type: Lab Control Sample | Lab ID: QC1243504 | Batch: 367291 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1243504 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 103.0 | 100.0 | mg/L | 103% | | 90-110 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1243505 | Batch: | 367291 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528429-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1243505 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 96.00 | ND | 100.0 | mg/L | 96% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1243506 | Batch: | 367291 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528429-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1243506 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 98.00 | ND | 100.0 | mg/L | 98% | | 75-125 | 2 | 20 | 2 |

| Type: | Blank | Lab ID: | QC1238477 | Batch: | 365766 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1238477 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0062 | 03/13/25 | 03/13/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/13/25 | 03/13/25 |
| Iron | ND | | mg/L | 0.041 | 0.041 | 03/13/25 | 03/13/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 03/13/25 | 03/13/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 03/13/25 | 03/13/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 03/13/25 | 03/13/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 03/13/25 | 03/13/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238478 | Batch: | 365766 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1238478 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3418 | 0.4000 | mg/L | 85% | | 80-120 |
| Calcium | 18.83 | 20.40 | mg/L | 92% | | 80-120 |
| Iron | 0.3578 | 0.4000 | mg/L | 89% | | 80-120 |
| Magnesium | 18.75 | 20.40 | mg/L | 92% | | 80-120 |
| Manganese | 0.3750 | 0.4000 | mg/L | 94% | b | 80-120 |
| Potassium | 21.07 | 24.00 | mg/L | 88% | | 80-120 |
| Sodium | 18.16 | 20.40 | mg/L | 89% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1238479 | Batch: | 365766 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528520-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1238479 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.5625 | 0.2039 | 0.4000 | mg/L | 90% | | 75-125 | 1 |
| Calcium | 42.24 | 23.79 | 20.40 | mg/L | 90% | | 75-125 | 1 |
| Iron | 0.3802 | ND | 0.4000 | mg/L | 95% | | 75-125 | 1 |
| Magnesium | 21.57 | 2.879 | 20.40 | mg/L | 92% | | 75-125 | 1 |
| Manganese | 0.3818 | ND | 0.4000 | mg/L | 95% | b | 75-125 | 1 |
| Potassium | 23.57 | 1.701 | 24.00 | mg/L | 91% | | 75-125 | 1 |
| Sodium | 288.9 | 272.6 | 20.40 | mg/L | 80% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238480 | Batch: | 365766 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528520-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1238480 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.5673 | 0.2039 | 0.4000 | mg/L | 91% | | 75-125 | 1 | 20 | 1 |
| Calcium | 42.43 | 23.79 | 20.40 | mg/L | 91% | | 75-125 | 0 | 20 | 1 |
| Iron | 0.3697 | ND | 0.4000 | mg/L | 92% | | 75-125 | 3 | 20 | 1 |
| Magnesium | 21.64 | 2.879 | 20.40 | mg/L | 92% | | 75-125 | 0 | 20 | 1 |
| Manganese | 0.3828 | ND | 0.4000 | mg/L | 96% | b | 75-125 | 0 | 20 | 1 |
| Potassium | 23.61 | 1.701 | 24.00 | mg/L | 91% | | 75-125 | 0 | 20 | 1 |
| Sodium | 290.0 | 272.6 | 20.40 | mg/L | 86% | NM | 75-125 | 0 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1238611 | Batch: | 365766 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528520-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1238611 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.2237 | 0.2039 | mg/L | J | | | 5 |
| Calcium | 26.02 | 23.79 | mg/L | | | | 5 |
| Iron | ND | ND | mg/L | | | | 5 |
| Magnesium | 3.141 | 2.879 | mg/L | | | | 5 |
| Manganese | ND | ND | mg/L | | | | 5 |
| Potassium | ND | 1.701 | mg/L | | | | 5 |
| Sodium | 296.2 | 272.6 | mg/L | | | | 5 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238470** | **Batch:** | **365765** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238470 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.45 | 50.00 | ug/L | 101% | | 70-135 |
| MTBE | 49.95 | 50.00 | ug/L | 100% | | 70-130 |
| Benzene | 49.45 | 50.00 | ug/L | 99% | | 70-130 |
| Trichloroethene | 49.54 | 50.00 | ug/L | 99% | | 70-130 |
| Toluene | 50.01 | 50.00 | ug/L | 100% | | 70-130 |
| Chlorobenzene | 51.67 | 50.00 | ug/L | 103% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 53.83 | 50.00 | ug/L | 108% | | 70-130 |
| 1,2-Dichloroethane-d4 | 48.99 | 50.00 | ug/L | 98% | | 70-130 |
| Toluene-d8 | 50.61 | 50.00 | ug/L | 101% | | 70-130 |
| Bromofluorobenzene | 52.07 | 50.00 | ug/L | 104% | | 70-130 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1238471** | **Batch:** | **365765** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238471 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.71 | 50.00 | ug/L | 99% | | 70-135 | 1 | 30 |
| MTBE | 50.14 | 50.00 | ug/L | 100% | | 70-130 | 0 | 30 |
| Benzene | 49.00 | 50.00 | ug/L | 98% | | 70-130 | 1 | 30 |
| Trichloroethene | 49.70 | 50.00 | ug/L | 99% | | 70-130 | 0 | 30 |
| Toluene | 50.07 | 50.00 | ug/L | 100% | | 70-130 | 0 | 30 |
| Chlorobenzene | 51.91 | 50.00 | ug/L | 104% | | 70-130 | 0 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.70 | 50.00 | ug/L | 107% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 48.79 | 50.00 | ug/L | 98% | | 70-130 | | |
| Toluene-d8 | 50.94 | 50.00 | ug/L | 102% | | 70-130 | | |
| Bromofluorobenzene | 51.88 | 50.00 | ug/L | 104% | | 70-130 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1238472** | **Batch:** | **365765** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238472 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 03/13/25 | 03/13/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/13/25 | 03/13/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 03/13/25 | 03/13/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Acetone | ND | | ug/L | 100 | 16 | 03/13/25 | 03/13/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 03/13/25 | 03/13/25 |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 03/13/25 | 03/13/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 03/13/25 | 03/13/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 03/13/25 | 03/13/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 03/13/25 | 03/13/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 03/13/25 | 03/13/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 03/13/25 | 03/13/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 03/13/25 | 03/13/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 03/13/25 | 03/13/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 03/13/25 | 03/13/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1238472 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 03/13/25 | 03/13/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 03/13/25 | 03/13/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 03/13/25 | 03/13/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Naphthalene | 0.3 | J | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 03/13/25 | 03/13/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 03/13/25 | 03/13/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/13/25 | 03/13/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 03/13/25 | 03/13/25 |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 03/13/25 | 03/13/25 |
| Toluene-d8 | 100% | | %REC | 70-130 | | 03/13/25 | 03/13/25 |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 03/13/25 | 03/13/25 |

**Type:** Matrix Spike **Lab ID:** QC1238696 **Batch:** 365765
**Matrix (Source ID):** Water (528176-003) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1238696 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 233.3 | ND | 200.0 | ug/L | 117% | | 70-130 | 10 |
| MTBE | 219.1 | ND | 200.0 | ug/L | 110% | | 75-130 | 10 |
| Benzene | 233.9 | ND | 200.0 | ug/L | 117% | | 70-130 | 10 |
| Trichloroethene | 249.2 | ND | 200.0 | ug/L | 125% | | 63-130 | 10 |
| Toluene | 237.1 | ND | 200.0 | ug/L | 119% | | 70-130 | 10 |
| Chlorobenzene | 242.0 | ND | 200.0 | ug/L | 121% | | 70-130 | 10 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 526.1 | | 500.0 | ug/L | 105% | | 70-130 | 10 |
| 1,2-Dichloroethane-d4 | 482.9 | | 500.0 | ug/L | 97% | | 70-130 | 10 |
| Toluene-d8 | 500.4 | | 500.0 | ug/L | 100% | | 70-130 | 10 |
| Bromofluorobenzene | 512.3 | | 500.0 | ug/L | 102% | | 70-130 | 10 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238697 | Batch: | 365765 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528176-003) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1238697 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 206.0 | ND | 200.0 | ug/L | 103% | | 70-130 | 12 | 30 | 10 |
| MTBE | 190.6 | ND | 200.0 | ug/L | 95% | | 75-130 | 14 | 30 | 10 |
| Benzene | 204.2 | ND | 200.0 | ug/L | 102% | | 70-130 | 14 | 30 | 10 |
| Trichloroethene | 220.7 | ND | 200.0 | ug/L | 110% | | 63-130 | 12 | 30 | 10 |
| Toluene | 209.6 | ND | 200.0 | ug/L | 105% | | 70-130 | 12 | 30 | 10 |
| Chlorobenzene | 212.4 | ND | 200.0 | ug/L | 106% | | 70-130 | 13 | 30 | 10 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 519.1 | | 500.0 | ug/L | 104% | | 70-130 | | | 10 |
| 1,2-Dichloroethane-d4 | 479.9 | | 500.0 | ug/L | 96% | | 70-130 | | | 10 |
| Toluene-d8 | 504.9 | | 500.0 | ug/L | 101% | | 70-130 | | | 10 |
| Bromofluorobenzene | 508.7 | | 500.0 | ug/L | 102% | | 70-130 | | | 10 |

| Type: | Blank | Lab ID: | QC1238839 | Batch: | 365879 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238839 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 03/13/25 | 03/15/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 03/13/25 | 03/15/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238840 | Batch: | 365879 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238840 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.392 | 10.00 | ug/L | 84% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.07 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1238841 | Batch: | 365879 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238841 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.665 | 10.00 | ug/L | 87% | | 80-120 | 3 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.06 | 10.00 | ug/L | 101% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1239387 | Batch: | 366053 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1239387 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/15/25 | 03/15/25 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1239388 **Batch:** 366053
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1239388 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1239389 **Batch:** 366053
**Matrix (Source ID):** Water (528520-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1239389 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1239390 **Batch:** 366053
**Matrix (Source ID):** Water (528520-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1239390 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1239206 **Batch:** 366009
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239206 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 03/14/25 | 03/15/25 |

**Type:** Lab Control Sample **Lab ID:** QC1239207 **Batch:** 366009
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239207 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 23.16 | 25.00 | mg/L | 93% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1239208 **Batch:** 366009
**Matrix (Source ID):** Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239208 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 4,069 | 4283 | 25.00 | mg/L | -856% | NM | 75-125 | 27 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1239209 **Batch:** 366009
**Matrix (Source ID):** Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239209 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 4,016 | 4283 | 25.00 | mg/L | -1068% | NM | 75-125 | 1 | 25 | 27 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1241422 | Batch: 366651 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1241422 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 03/21/25 | 03/21/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 03/21/25 | 03/21/25 |

| Type: Lab Control Sample | Lab ID: QC1241423 | Batch: 366651 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1241423 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,031 | 1000 | mg/L | 103% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1241424 | Batch: 366651 |
|---|---|---|
| Matrix (Source ID): Water (528898-001) | Method: SM2320B | Prep Method: METHOD |

| QC1241424 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 130.1 | 128.0 | mg/L | | 2 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 130.1 | 128.0 | mg/L | | 2 | 20 | 2.5 |

| Type: Blank | Lab ID: QC1239591 | Batch: 366108 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1239591 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 03/16/25 | 03/17/25 |

| Type: Lab Control Sample | Lab ID: QC1239592 | Batch: 366108 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1239592 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 900.0 | 1000 | mg/L | 90% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1239593 | Batch: 366108 |
|---|---|---|
| Matrix (Source ID): Water (528864-001) | Method: SM2540C | Prep Method: METHOD |

| QC1239593 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,236 | 1256 | mg/L | | 2 | 5 | 2 |

| | |
|---|---|
| E | Response exceeds instrument's linear range |
| J | Estimated value |
| ND | Not Detected |
| NM | Not Meaningful |
| b | See narrative |

**Laboratory Job Number 528520**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2503B23

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-528520

**Project Location:**
**Project Received:** 03/17/2025

Analytical Report reviewed & approved for release on 03/19/2025 by:

Ana Venegas
Project Manager

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503B23

**Project:** EO-528520

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503B23

**Project:** EO-528520

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B23 |
| **Date Received:** | 03/17/2025 11:38 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/18/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-528520 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-12 | 2503B23-001A | Water | 03/11/2025 08:19 | GC26 0318250919.D | 313540 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1500** | 50 | 50 | 1 | 03/18/2025 14:04 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-7 | 2503B23-002A | Water | 03/11/2025 09:09 | GC26 0318250922.D | 313540 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **960** | 50 | 50 | 1 | 03/18/2025 14:41 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-18 | 2503B23-003A | Water | 03/11/2025 10:18 | GC26 0318250926.D | 313540 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3800** | 200 | 200 | 4 | 03/18/2025 15:34 |

Analyst(s): CLO

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B23 |
| **Date Received:** | 03/17/2025 11:38 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/18/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-528520 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-21 | 2503B23-004A | Water | 03/11/2025 11:07 | GC26 0318250927.D | 313540 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **540** | 50 | 50 | 1 | 03/18/2025 15:45 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B23 |
| **Date Prepared:** | 03/18/2025 | **BatchID:** | 313540 |
| **Date Analyzed:** | 03/18/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528520 | **Sample ID:** | MB/LCS/LCSD-313540 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 160 | 187.2 | 76 | 83 | 70-130 | 9.12 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503B23** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-528520

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT:** **2 days;**

*Date Received:* **03/17/2025**
*Date Logged:* **03/17/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503B23-001 | DW-12 | Water | 3/11/2025 08:19 | ☐ | A | A | | | | | | | | | | |
| 2503B23-002 | DW-7 | Water | 3/11/2025 09:09 | ☐ | A | A | | | | | | | | | | |
| 2503B23-003 | DW-18 | Water | 3/11/2025 10:18 | ☐ | A | A | | | | | | | | | | |
| 2503B23-004 | DW-21 | Water | 3/11/2025 11:07 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-528520 **Work Order:** 2503B23
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-12 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/11/2025 8:19 | 2 days | 3/19/2025 | None | ☐ | ☐ |
| 002A | DW-7 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/11/2025 9:09 | 2 days | 3/19/2025 | None | ☐ | ☐ |
| 003A | DW-18 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/11/2025 10:18 | 2 days | 3/19/2025 | None | ☐ | ☐ |
| 004A | DW-21 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/11/2025 11:07 | 2 days | 3/19/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2503B23

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-528520
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

**HOLD TIME RUSH**

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-12 | 11-MAR-2025 08:19 | 528520-001 | 2 | Water | RSK-175 CO2 | |
| DW-7 | 11-MAR-2025 09:09 | 528520-002 | 2 | Water | RSK-175 CO2 | |
| DW-18 | 11-MAR-2025 10:18 | 528520-003 | 2 | Water | RSK-175 CO2 | |
| DW-21 | 11-MAR-2025 11:07 | 528520-004 | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Quintana EA-ORA | |
| | Date: 3/12/25 1645 | Date: |
| | | Emily P. |
| | Date: | Date: 03/17/25 1138 |
| | | |
| | Date: | Date: |

GIS: 562757289

2.2 wet
1230

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 3/17/2025 11:38 |
| Project: | EO-528520 | Date Logged: | 3/17/2025 |
| | | Received by: | Emily Perez |
| WorkOrder №: | 2503B23 Matrix: Water | Logged by: | Emily Perez |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☐ | No | ☐ | NA | ☑ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 2.2°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528665
Report Level : II
Report Date : 04/01/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill - Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 528665<br>GW MONITORING<br>Chiquita Canyon Landfill - Quarterly MPars<br>03/12/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-29 | 528665-001 | 03/12/25 08:18 | Water |
| DW-31 | 528665-002 | 03/12/25 09:14 | Water |
| DW-1 | 528665-003 | 03/12/25 10:08 | Water |
| DW-30 | 528665-004 | 03/12/25 11:01 | Water |
| DW-15 | 528665-005 | 03/12/25 11:54 | Water |
| QCFB | 528665-006 | 03/12/25 09:16 | Water |
| QCTB | 528665-007 | 03/12/25 00:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 528665<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill - Quarterly MPars<br>Date Received: 03/12/25 |

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 03/13/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for chloride, nitrogen, nitrate, and sulfate in the MS/MSD for batch 365866 and the MSs/MSD for batch 366561; affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**

- High recovery was observed for chemical oxygen demand in the MS of DW-15 (lab # 528665-005); the LCS was within limits, the associated RPD was within limits, and the high recovery was not associated with any reported results.
- No other analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**

- High recovery was observed for ammonia-N in the MS for batch 367523; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

Login 528665

# Chain of Custody Record

Lab No: 528665

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-29 | 3/12/25 | 818 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-31 | " | 914 | " | " | " | X | X | X | X | X | X | X | X | X |
| 3 | DW-1 | " | 1008 | " | " | " | X | X | X | X | X | X | X | X | X |
| 4 | DW-30 | " | 1101 | " | " | " | X | X | X | X | X | X | X | X | X |
| 5 | DW-15 | " | 1154 | " | ↓ | " | X | X | X | X | X | X | X | X | X |
| 6 | QCFB | ↓ | 916 | " | 3 | " | X | | | | | | | | |
| 7 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Analysis Request**

ER 13

1.9 1.9

**Quarterly MPars**

1.5 1.5

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

**Test Instructions / Comments**

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Paul Chang | CEI | 3-12-25 1314 |
| 1 Received By: | | ALICE TAHMASIAN | EA/NH | 3/12/25 1:14pm |
| 2 Relinquished By: | | ALICE TAHMASIAN | EA/NH | 3/13/25 0836 |
| 2 Received By: | | Hrag B. | EA.NH | 3/13/25 0830 |
| 3 Relinquished By: | | Hrag B. | EA.NH | 3/13/25 1100 |
| 3 Received By: | | MCG | EA | 3-13-25 1255 |

MCG EA 3-13-25 1400

Page 50 of 50

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/12/25 WO# _____ Client: Chiquita Canyon landfill

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☑ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/12/25 By (initials) AXT Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None

☑ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: +0.7°C

Cooler Temp (°C) #1: 10.9 / 10.2 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** _____ **By (print)**_____ **(sign)**_____

**Date Labeled** _____ **By (print)**_____ **(sign)**_____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**
Date Received: 3/13/25 WO# 528665 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No
Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 3/13/25 By (initials) NFG Type of ice used: ☐ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0
Cooler Temp (°C) #1: 1.9 / 1.9 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | |
| 5) Were all of, and only, the correct samples received? | | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | | | |
| 7) Does the container count match the CoC? | | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | | | |
| 9) Were samples received in proper containers for the analyses requested? | | | |
| 10) Were samples received with > 1/2 holding time remaining? | | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | |

**Section 5: Explanations / Comments**
(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 3/12/25 **By (print)** ABD **(sign)** Ashley
**Date Labeled** 3/13/25 **By (print)** _____ **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 528665

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528665
Project No: GW MONITORING
Location: Chiquita Canyon Landfill - Quarterly MPars
Date Received: 03/12/25

**Sample ID: DW-29** **Lab ID: 528665-001** **Collected: 03/12/25 08:18**
**Matrix: Water**

| 528665-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.39** | | mg/L | 0.20 | 0.034 | 1 | 366561 | 03/20/25 19:30 | 03/21/25 04:15 | JAA |
| Chloride | **92** | | mg/L | 1.0 | 0.27 | 1 | 365866 | 03/13/25 18:00 | 03/13/25 19:55 | AJL |
| Bromide | **0.33** | | mg/L | 0.30 | 0.060 | 1 | 365866 | 03/13/25 18:00 | 03/13/25 19:55 | AJL |
| Nitrogen, Nitrate | **2.3** | | mg/L | 0.10 | 0.05 | 1 | 365866 | 03/13/25 18:00 | 03/13/25 19:55 | AJL |
| Sulfate | **360** | | mg/L | 10 | 1.8 | 10 | 365866 | 03/13/25 18:00 | 03/13/25 20:18 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 367523 | 03/31/25 | 03/31/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **6.0** | | mg/L | 4.0 | 2.0 | 1 | 367399 | 03/28/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.33** | | mg/L | 0.050 | 0.0055 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Calcium | **64** | | mg/L | 0.57 | 0.57 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Magnesium | **8.5** | | mg/L | 0.10 | 0.025 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Manganese | **0.055** | | mg/L | 0.010 | 0.0029 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Potassium | **1.3** | | mg/L | 0.50 | 0.40 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Sodium | **240** | | mg/L | 0.50 | 0.35 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| 528665-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528665

| 528665-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene-d8 | 94% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 98% | | %REC | 80-120 | | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366053 | 03/15/25 | 03/15/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **5.9** | | mg/L | 1.0 | 0.68 | 1 | 366284 | 03/18/25 | 03/18/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **300** | | mg/L | 5.0 | | 2.5 | 366665 | 03/21/25 | 03/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **300** | | mg/L | 5.0 | | 2.5 | 366665 | 03/21/25 | 03/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,000** | | mg/L | 20 | | 2 | 366172 | 03/17/25 | 03/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| Sample ID: DW-31 | Lab ID: 528665-002 | Collected: 03/12/25 09:14 |
|---|---|---|
| | Matrix: Water | |

| 528665-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.21** | | mg/L | 0.20 | 0.034 | 1 | 366561 | 03/20/25 19:30 | 03/21/25 04:36 | JAA |
| Chloride | **130** | | mg/L | 1.0 | 0.27 | 1 | 365866 | 03/13/25 18:00 | 03/14/25 01:10 | AJL |
| Bromide | **0.57** | | mg/L | 0.30 | 0.060 | 1 | 365866 | 03/13/25 18:00 | 03/14/25 01:10 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 1.0 | 0.50 | 10 | 365866 | 03/13/25 18:00 | 03/14/25 01:33 | AJL |
| Sulfate | **480** | | mg/L | 10 | 1.8 | 10 | 365866 | 03/13/25 18:00 | 03/14/25 01:33 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 367523 | 03/31/25 | 03/31/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **42** | | mg/L | 4.0 | 2.0 | 1 | 367399 | 03/28/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.57** | | mg/L | 0.050 | 0.0055 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Calcium | **210** | | mg/L | 0.57 | 0.57 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Iron | **0.17** | | mg/L | 0.046 | 0.046 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Magnesium | **39** | | mg/L | 0.10 | 0.025 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Manganese | **0.69** | | mg/L | 0.010 | 0.0029 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Potassium | **1.5** | | mg/L | 0.50 | 0.40 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Sodium | **150** | | mg/L | 0.50 | 0.35 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| 528665-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane-d4 | 104% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene-d8 | 94% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528665

| 528665-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | **3.3** | | ug/L | 1.0 | 0.95 | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366053 | 03/15/25 | 03/15/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **20** | | mg/L | 1.0 | 0.68 | 1 | 366284 | 03/18/25 | 03/18/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **480** | | mg/L | 5.0 | | 2.5 | 366665 | 03/21/25 | 03/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **480** | | mg/L | 5.0 | | 2.5 | 366665 | 03/21/25 | 03/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,400** | | mg/L | 20 | | 2 | 366172 | 03/17/25 | 03/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| Sample ID: DW-1 | Lab ID: 528665-003 | Collected: 03/12/25 10:08 |
|---|---|---|
| | Matrix: Water | |

| 528665-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.79** | | mg/L | 0.20 | 0.034 | 1 | 366561 | 03/20/25 19:30 | 03/21/25 04:56 | JAA |
| Chloride | **110** | | mg/L | 1.0 | 0.27 | 1 | 365866 | 03/13/25 18:00 | 03/14/25 02:18 | AJL |
| Bromide | **0.28** | J | mg/L | 0.30 | 0.060 | 1 | 365866 | 03/13/25 18:00 | 03/14/25 02:18 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 365866 | 03/13/25 18:00 | 03/14/25 02:18 | AJL |
| Sulfate | **360** | | mg/L | 10 | 1.8 | 10 | 365866 | 03/13/25 18:00 | 03/14/25 02:40 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 367523 | 03/31/25 | 03/31/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **24** | | mg/L | 4.0 | 2.0 | 1 | 367399 | 03/28/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.19** | | mg/L | 0.050 | 0.0055 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Calcium | **54** | | mg/L | 0.57 | 0.57 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Magnesium | **11** | | mg/L | 0.10 | 0.025 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Manganese | **0.044** | | mg/L | 0.010 | 0.0029 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Potassium | **2.2** | | mg/L | 0.50 | 0.40 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Sodium | **210** | | mg/L | 0.50 | 0.35 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethane | **0.2** | J | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| 528665-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Tetrachloroethene | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 109% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528665

| 528665-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366053 | 03/15/25 | 03/15/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.80** | J | mg/L | 1.0 | 0.68 | 1 | 366284 | 03/18/25 | 03/18/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **220** | | mg/L | 10 | | 5 | 366665 | 03/21/25 | 03/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **220** | | mg/L | 10 | | 5 | 366665 | 03/21/25 | 03/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **880** | | mg/L | 20 | | 2 | 366172 | 03/17/25 | 03/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| Sample ID: DW-30 | Lab ID: 528665-004 | Collected: 03/12/25 11:01 |
|---|---|---|
| | Matrix: Water | |

| 528665-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.89** | | mg/L | 0.20 | 0.034 | 1 | 366561 | 03/20/25 19:30 | 03/21/25 05:17 | JAA |
| Chloride | **59** | | mg/L | 1.0 | 0.27 | 1 | 365866 | 03/13/25 18:00 | 03/14/25 03:03 | AJL |
| Bromide | **0.15** | J | mg/L | 0.30 | 0.060 | 1 | 365866 | 03/13/25 18:00 | 03/14/25 03:03 | AJL |
| Nitrogen, Nitrate | **0.18** | | mg/L | 0.10 | 0.05 | 1 | 365866 | 03/13/25 18:00 | 03/14/25 03:03 | AJL |
| Sulfate | **320** | | mg/L | 10 | 1.8 | 10 | 365866 | 03/13/25 18:00 | 03/14/25 04:10 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 367523 | 03/31/25 | 03/31/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 367399 | 03/28/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.19** | | mg/L | 0.050 | 0.0055 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Calcium | **37** | | mg/L | 0.57 | 0.57 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Iron | **0.10** | | mg/L | 0.046 | 0.046 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Magnesium | **5.9** | | mg/L | 0.10 | 0.025 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Manganese | **0.040** | | mg/L | 0.010 | 0.0029 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Potassium | **1.5** | | mg/L | 0.50 | 0.40 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Sodium | **200** | | mg/L | 0.50 | 0.35 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| 528665-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Tetrachloroethene | **0.5** | J | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 109% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene-d8 | 92% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromofluorobenzene | 95% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528665

| 528665-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366053 | 03/15/25 | 03/15/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.2** | | mg/L | 1.0 | 0.68 | 1 | 366284 | 03/18/25 | 03/18/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **200** | | mg/L | 10 | | 5 | 366665 | 03/21/25 | 03/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **200** | | mg/L | 10 | | 5 | 366665 | 03/21/25 | 03/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **810** | | mg/L | 20 | | 2 | 366172 | 03/17/25 | 03/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| Sample ID: DW-15 | Lab ID: 528665-005 | Collected: 03/12/25 11:54 |
|---|---|---|
| | Matrix: Water | |

| 528665-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.10** | J | mg/L | 0.20 | 0.034 | 1 | 366561 | 03/20/25 19:30 | 03/21/25 05:37 | JAA |
| Chloride | **75** | | mg/L | 1.0 | 0.27 | 1 | 365866 | 03/13/25 18:00 | 03/14/25 08:40 | AJL |
| Bromide | **0.15** | J | mg/L | 0.30 | 0.060 | 1 | 365866 | 03/13/25 18:00 | 03/14/25 08:40 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 2.0 | 0.99 | 20 | 365866 | 03/13/25 18:00 | 03/14/25 09:03 | AJL |
| Sulfate | **1,500** | | mg/L | 20 | 3.7 | 20 | 365866 | 03/13/25 18:00 | 03/14/25 09:03 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.15** | | mg/L | 0.10 | 0.050 | 1 | 367523 | 03/31/25 | 03/31/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **3.0** | J | mg/L | 4.0 | 2.0 | 1 | 367399 | 03/28/25 | 03/28/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.21** | | mg/L | 0.050 | 0.0055 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Calcium | **230** | | mg/L | 0.57 | 0.57 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Iron | **0.89** | | mg/L | 0.046 | 0.046 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Magnesium | **33** | | mg/L | 0.10 | 0.025 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Manganese | **0.58** | | mg/L | 0.010 | 0.0029 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Potassium | **2.4** | | mg/L | 0.50 | 0.40 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Sodium | **400** | | mg/L | 0.50 | 0.35 | 1 | 365892 | 03/13/25 | 03/14/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| 528665-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,4-Dichlorobenzene | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane-d4 | 103% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528665

| 528665-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 365879 | 03/13/25 | 03/15/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366053 | 03/15/25 | 03/15/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 366284 | 03/18/25 | 03/18/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **230** | | mg/L | 10 | | 5 | 366665 | 03/21/25 | 03/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **230** | | mg/L | 10 | | 5 | 366665 | 03/21/25 | 03/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **2,500** | | mg/L | 20 | | 2 | 366172 | 03/17/25 | 03/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| Sample ID: QCFB | Lab ID: 528665-006 | Collected: 03/12/25 09:16 |
|---|---|---|
| | Matrix: Water | |

| 528665-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroform | **0.6** | J | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| 528665-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 109% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane-d4 | 103% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene-d8 | 94% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| Sample ID: QCTB | Lab ID: 528665-007 | Collected: 03/12/25 |
|---|---|---|
| | Matrix: Water | |

| 528665-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528665

| 528665-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene-d8 | 94% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromofluorobenzene | 95% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1241068** | **Batch:** | **366561** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1241068 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.034 | 03/20/25 19:30 | 03/20/25 19:43 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1241069** | **Batch:** | **366561** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1241069 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.515 | 10.00 | mg/L | 95% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1241183** | **Batch:** | **366561** |
| **Matrix (Source ID):** | **Water (529129-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1241183 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.67 | 0.2027 | 20.00 | mg/L | 107% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1241184** | **Batch:** | **366561** |
| **Matrix (Source ID):** | **Water (529129-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1241184 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.30 | 0.2027 | 20.00 | mg/L | 100% | | 80-120 | 7 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1241185** | **Batch:** | **366561** |
| **Matrix (Source ID):** | **Water (529251-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1241185 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 22.42 | 0.1836 | 20.00 | mg/L | 111% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1241186** | **Batch:** | **366561** |
| **Matrix (Source ID):** | **Water (529251-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1241186 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 24.02 | 0.1836 | 20.00 | mg/L | 119% | | 80-120 | 7 | 20 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1238800** | **Batch:** | **365866** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1238800 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 03/13/25 18:00 | 03/13/25 18:18 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 03/13/25 18:00 | 03/13/25 18:18 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 03/13/25 18:00 | 03/13/25 18:18 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 03/13/25 18:00 | 03/13/25 18:18 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238801** | **Batch:** | **365866** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1238801 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 48.17 | 50.00 | mg/L | 96% | | 90-110 |
| Bromide | 15.06 | 15.00 | mg/L | 100% | | 90-110 |
| Nitrogen, Nitrate | 4.530 | 4.518 | mg/L | 100% | | 90-110 |
| Sulfate | 24.95 | 25.00 | mg/L | 100% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1238802** | **Batch:** | **365866** |
| **Matrix (Source ID):** | **Drinking Water (528539-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1238802 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 165.6 | 65.12 | 100.0 | mg/L | 100% | | 80-120 | 1 |
| Bromide | 15.08 | 0.2856 | 15.00 | mg/L | 99% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.286 | ND | 9.036 | mg/L | 103% | | 80-120 | 1 |
| Sulfate | 63.54 | 13.96 | 50.00 | mg/L | 99% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1238803** | **Batch:** | **365866** |
| **Matrix (Source ID):** | **Drinking Water (528539-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1238803 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 165.3 | 65.12 | 100.0 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |
| Bromide | 15.02 | 0.2856 | 15.00 | mg/L | 98% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 9.263 | ND | 9.036 | mg/L | 103% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 63.52 | 13.96 | 50.00 | mg/L | 99% | | 80-120 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1238806** | **Batch:** | **365866** |
| **Matrix (Source ID):** | **Drinking Water (528763-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1238806 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 125.8 | 21.34 | 100.0 | mg/L | 104% | | 80-120 | 1 |
| Bromide | 15.16 | 0.1005 | 15.00 | mg/L | 100% | | 80-120 | 1 |
| Nitrogen, Nitrate | 18.43 | 9.561 | 9.036 | mg/L | 98% | E | 80-120 | 1 |
| Sulfate | 123.9 | 76.61 | 50.00 | mg/L | 95% | E | 80-120 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238807 | Batch: | 365866 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Drinking Water (528763-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1238807 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 126.7 | 21.34 | 100.0 | mg/L | 105% | | 80-120 | 1 | 20 | 1 |
| Bromide | 15.31 | 0.1005 | 15.00 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 18.52 | 9.561 | 9.036 | mg/L | 99% | E | 80-120 | | 20 | 1 |
| Sulfate | 124.3 | 76.61 | 50.00 | mg/L | 95% | E | 80-120 | | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1244329 | Batch: | 367523 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528665-003) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1244329 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.046 | ND | 1.000 | mg/L | 105% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1244330 | Batch: | 367523 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528665-003) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1244330 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.066 | ND | 1.000 | mg/L | 107% | | 90-110 | 2 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1244331 | Batch: | 367523 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528782-001) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1244331 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.206 | 0.09420 | 1.000 | mg/L | 111% | * | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1244332 | Batch: | 367523 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528782-001) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1244332 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.174 | 0.09420 | 1.000 | mg/L | 108% | | 90-110 | 3 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1244333 | Batch: | 367523 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1244333 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 03/31/25 | 03/31/25 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1244334 | Batch: 367523 |
|---|---|---|
| Matrix: Water | Method: EPA 350.1 | Prep Method: METHOD |

| QC1244334 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.029 | 1.000 | mg/L | 103% | | 90-110 |

| Type: Blank | Lab ID: QC1243886 | Batch: 367399 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1243886 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 03/28/25 | 03/28/25 |

| Type: Lab Control Sample | Lab ID: QC1243887 | Batch: 367399 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1243887 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 91.00 | 100.0 | mg/L | 91% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1243888 | Batch: 367399 |
|---|---|---|
| Matrix (Source ID): Water (528665-005) | Method: EPA 410.4 | Prep Method: METHOD |

| QC1243888 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 98.00 | 3.000 | 100.0 | mg/L | 95% | | 75-125 | 2 |

| Type: Matrix Spike Duplicate | Lab ID: QC1243889 | Batch: 367399 |
|---|---|---|
| Matrix (Source ID): Water (528665-005) | Method: EPA 410.4 | Prep Method: METHOD |

| QC1243889 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 100.0 | 3.000 | 100.0 | mg/L | 97% | | 75-125 | 2 | 20 | 2 |

| Type: Blank | Lab ID: QC1238889 | Batch: 365892 |
|---|---|---|
| Matrix: Water | Method: EPA 6010B | Prep Method: EPA 3015A |

| QC1238889 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 03/13/25 | 03/14/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/13/25 | 03/14/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 03/13/25 | 03/14/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 03/13/25 | 03/14/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 03/13/25 | 03/14/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 03/13/25 | 03/14/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 03/13/25 | 03/14/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238890** | **Batch:** | **365892** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1238890 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3446 | 0.4000 | mg/L | 86% | | 80-120 |
| Calcium | 18.57 | 20.40 | mg/L | 91% | | 80-120 |
| Iron | 0.3491 | 0.4000 | mg/L | 87% | | 80-120 |
| Magnesium | 19.12 | 20.40 | mg/L | 94% | | 80-120 |
| Manganese | 0.3361 | 0.4000 | mg/L | 84% | | 80-120 |
| Potassium | 20.51 | 24.00 | mg/L | 85% | | 80-120 |
| Sodium | 17.94 | 20.40 | mg/L | 88% | | 80-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1238891** | **Batch:** | **365892** |
| **Matrix (Source ID):** | **Water (528569-001)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1238891 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.4188 | 0.08236 | 0.4000 | mg/L | 84% | | 75-125 | 1 |
| Calcium | 96.21 | 78.79 | 20.40 | mg/L | 85% | | 75-125 | 1 |
| Iron | 0.8006 | 0.4369 | 0.4000 | mg/L | 91% | | 75-125 | 1 |
| Magnesium | 49.50 | 31.08 | 20.40 | mg/L | 90% | | 75-125 | 1 |
| Manganese | 0.3715 | 0.02587 | 0.4000 | mg/L | 86% | | 75-125 | 1 |
| Potassium | 22.82 | 1.667 | 24.00 | mg/L | 88% | | 75-125 | 1 |
| Sodium | 50.61 | 32.71 | 20.40 | mg/L | 88% | | 75-125 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1238892** | **Batch:** | **365892** |
| **Matrix (Source ID):** | **Water (528569-001)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1238892 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4188 | 0.08236 | 0.4000 | mg/L | 84% | | 75-125 | 0 | 20 | 1 |
| Calcium | 95.26 | 78.79 | 20.40 | mg/L | 81% | | 75-125 | 1 | 20 | 1 |
| Iron | 0.7914 | 0.4369 | 0.4000 | mg/L | 89% | | 75-125 | 1 | 20 | 1 |
| Magnesium | 48.92 | 31.08 | 20.40 | mg/L | 87% | | 75-125 | 1 | 20 | 1 |
| Manganese | 0.3701 | 0.02587 | 0.4000 | mg/L | 86% | | 75-125 | 0 | 20 | 1 |
| Potassium | 22.51 | 1.667 | 24.00 | mg/L | 87% | | 75-125 | 1 | 20 | 1 |
| Sodium | 50.03 | 32.71 | 20.40 | mg/L | 85% | | 75-125 | 1 | 20 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Serial Dilution** | **Lab ID:** | **QC1238906** | **Batch:** | **365892** |
| **Matrix (Source ID):** | **Water (528569-001)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1238906 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.08795 | 0.08236 | mg/L | J | | | 5 |
| Calcium | 82.18 | 78.79 | mg/L | | | | 5 |
| Iron | 0.4686 | 0.4369 | mg/L | | | | 5 |
| Magnesium | 32.51 | 31.08 | mg/L | | | | 5 |
| Manganese | 0.02637 | 0.02587 | mg/L | J | | | 5 |
| Potassium | ND | 1.667 | mg/L | | | | 5 |
| Sodium | 36.41 | 32.71 | mg/L | | | | 5 |

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# Batch QC

| Type: Blank | Lab ID: QC1239512 | Batch: 366085 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1239512 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 03/16/25 | 03/16/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 03/16/25 | 03/16/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/16/25 | 03/16/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 03/16/25 | 03/16/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Acetone | ND | | ug/L | 100 | 44 | 03/16/25 | 03/16/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 03/16/25 | 03/16/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 03/16/25 | 03/16/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 03/16/25 | 03/16/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 03/16/25 | 03/16/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 03/16/25 | 03/16/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 03/16/25 | 03/16/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 03/16/25 | 03/16/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |

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## Batch QC

| QC1239512 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 03/16/25 | 03/16/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 03/16/25 | 03/16/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 03/16/25 | 03/16/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 03/16/25 | 03/16/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 03/16/25 | 03/16/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 03/16/25 | 03/16/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/16/25 | 03/16/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 03/16/25 | 03/16/25 |
| 1,2-Dichloroethane-d4 | 102% | | %REC | 70-130 | | 03/16/25 | 03/16/25 |
| Toluene-d8 | 94% | | %REC | 70-130 | | 03/16/25 | 03/16/25 |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 03/16/25 | 03/16/25 |

**Type:** Lab Control Sample **Lab ID:** QC1239513 **Batch:** 366085
**Matrix:** Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1239513 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 51.67 | 50.00 | ug/L | 103% | | 70-135 |
| MTBE | 46.64 | 50.00 | ug/L | 93% | | 70-130 |
| Benzene | 46.13 | 50.00 | ug/L | 92% | | 70-130 |
| Trichloroethene | 47.44 | 50.00 | ug/L | 95% | | 70-130 |
| Toluene | 45.89 | 50.00 | ug/L | 92% | | 70-130 |
| Chlorobenzene | 47.83 | 50.00 | ug/L | 96% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 52.99 | 50.00 | ug/L | 106% | | 70-130 |
| 1,2-Dichloroethane-d4 | 49.58 | 50.00 | ug/L | 99% | | 70-130 |
| Toluene-d8 | 47.33 | 50.00 | ug/L | 95% | | 70-130 |
| Bromofluorobenzene | 46.86 | 50.00 | ug/L | 94% | | 70-130 |

# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1239514 | Batch: | 366085 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1239514 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 52.96 | 50.00 | ug/L | 106% | | 70-135 | 2 | 30 |
| MTBE | 47.26 | 50.00 | ug/L | 95% | | 70-130 | 1 | 30 |
| Benzene | 46.91 | 50.00 | ug/L | 94% | | 70-130 | 2 | 30 |
| Trichloroethene | 47.96 | 50.00 | ug/L | 96% | | 70-130 | 1 | 30 |
| Toluene | 46.26 | 50.00 | ug/L | 93% | | 70-130 | 1 | 30 |
| Chlorobenzene | 47.90 | 50.00 | ug/L | 96% | | 70-130 | 0 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.61 | 50.00 | ug/L | 105% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 48.45 | 50.00 | ug/L | 97% | | 70-130 | | |
| Toluene-d8 | 48.15 | 50.00 | ug/L | 96% | | 70-130 | | |
| Bromofluorobenzene | 48.83 | 50.00 | ug/L | 98% | | 70-130 | | |

| Type: | Matrix Spike | Lab ID: | QC1239535 | Batch: | 366085 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528740-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1239535 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 21.88 | ND | 20.00 | ug/L | 109% | | 70-130 | 1 |
| MTBE | 18.94 | ND | 20.00 | ug/L | 95% | | 75-130 | 1 |
| Benzene | 20.11 | ND | 20.00 | ug/L | 101% | | 70-130 | 1 |
| Trichloroethene | 21.17 | ND | 20.00 | ug/L | 106% | | 63-130 | 1 |
| Toluene | 20.04 | ND | 20.00 | ug/L | 100% | | 70-130 | 1 |
| Chlorobenzene | 20.79 | ND | 20.00 | ug/L | 104% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.62 | | 50.00 | ug/L | 103% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 49.79 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| Toluene-d8 | 47.38 | | 50.00 | ug/L | 95% | | 70-130 | 1 |
| Bromofluorobenzene | 48.92 | | 50.00 | ug/L | 98% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239536 | Batch: | 366085 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528740-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1239536 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 19.46 | ND | 20.00 | ug/L | 97% | | 70-130 | 12 | 30 | 1 |
| MTBE | 17.86 | ND | 20.00 | ug/L | 89% | | 75-130 | 6 | 30 | 1 |
| Benzene | 18.12 | ND | 20.00 | ug/L | 91% | | 70-130 | 10 | 30 | 1 |
| Trichloroethene | 19.20 | ND | 20.00 | ug/L | 96% | | 63-130 | 10 | 30 | 1 |
| Toluene | 17.92 | ND | 20.00 | ug/L | 90% | | 70-130 | 11 | 30 | 1 |
| Chlorobenzene | 18.76 | ND | 20.00 | ug/L | 94% | | 70-130 | 10 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 53.00 | | 50.00 | ug/L | 106% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 48.92 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Toluene-d8 | 47.40 | | 50.00 | ug/L | 95% | | 70-130 | | | 1 |
| Bromofluorobenzene | 47.64 | | 50.00 | ug/L | 95% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1238839 | Batch: | 365879 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238839 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 03/13/25 | 03/15/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 03/13/25 | 03/15/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238840 | Batch: | 365879 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238840 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.392 | 10.00 | ug/L | 84% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.07 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1238841 | Batch: | 365879 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238841 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.665 | 10.00 | ug/L | 87% | | 80-120 | 3 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.06 | 10.00 | ug/L | 101% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1239387 | Batch: | 366053 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1239387 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/15/25 | 03/15/25 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1239388 **Batch:** 366053
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1239388 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1239389 **Batch:** 366053
**Matrix (Source ID):** Water (528520-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1239389 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1239390 **Batch:** 366053
**Matrix (Source ID):** Water (528520-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1239390 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1240190 **Batch:** 366284
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1240190 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 03/18/25 | 03/18/25 |

**Type:** Lab Control Sample **Lab ID:** QC1240191 **Batch:** 366284
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1240191 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 23.19 | 25.00 | mg/L | 93% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1240192 **Batch:** 366284
**Matrix (Source ID):** Water (528665-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1240192 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 32.73 | 5.863 | 25.00 | mg/L | 107% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1240193 **Batch:** 366284
**Matrix (Source ID):** Water (528665-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1240193 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 36.47 | 5.863 | 25.00 | mg/L | 122% | | 75-125 | 11 | 25 | 1 |

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# Batch QC

**Type: Blank** **Lab ID: QC1241445** **Batch: 366665**
**Matrix: Water** **Method: SM2320B** **Prep Method: METHOD**

| QC1241445 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 03/21/25 | 03/21/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 03/21/25 | 03/21/25 |

**Type: Lab Control Sample** **Lab ID: QC1241446** **Batch: 366665**
**Matrix: Water** **Method: SM2320B** **Prep Method: METHOD**

| QC1241446 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,031 | 1000 | mg/L | 103% | | 90-110 |

**Type: Sample Duplicate** **Lab ID: QC1241447** **Batch: 366665**
**Matrix (Source ID): Water (528700-002)** **Method: SM2320B** **Prep Method: METHOD**

| QC1241447 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 190.2 | 192.8 | mg/L | | 1 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 190.2 | 192.8 | mg/L | | 1 | 20 | 2.5 |

**Type: Blank** **Lab ID: QC1239810** **Batch: 366172**
**Matrix: Water** **Method: SM2540C** **Prep Method: METHOD**

| QC1239810 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 5.0 | | 03/17/25 | 03/18/25 |

**Type: Lab Control Sample** **Lab ID: QC1239811** **Batch: 366172**
**Matrix: Water** **Method: SM2540C** **Prep Method: METHOD**

| QC1239811 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 927.5 | 1000 | mg/L | 93% | | 90-110 |

**Type: Sample Duplicate** **Lab ID: QC1239812** **Batch: 366172**
**Matrix (Source ID): Water (528648-001)** **Method: SM2540C** **Prep Method: METHOD**

| QC1239812 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 2,106 | 2134 | mg/L | | 1 | 5 | 2 |

**Type: Sample Duplicate** **Lab ID: QC1239813** **Batch: 366172**
**Matrix (Source ID): Water (528665-001)** **Method: SM2540C** **Prep Method: METHOD**

| QC1239813 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,000 | 1002 | mg/L | | 0 | 5 | 2 |

# Batch QC

| | |
|---|---|
| * | Value is outside QC limits |
| E | Response exceeds instrument's linear range |
| J | Estimated value |
| ND | Not Detected |

**Laboratory Job Number 528665**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2503B20

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-528665

**Project Location:**
**Project Received:** 03/17/2025

Analytical Report reviewed & approved for release on 03/20/2025 by:

Jena Alfaro
Project Manager

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503B20
**Project:** EO-528665

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503B20

**Project:** EO-528665

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B20 |
| **Date Received:** | 03/17/2025 11:38 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/17/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-528665 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-29 | 2503B20-001A | Water | 03/12/2025 08:18 | GC26 0317250106.D | 313655 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **11,000** | 500 | 500 | 10 | 03/17/2025 14:54 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-31 | 2503B20-002A | Water | 03/12/2025 09:14 | GC26 0317250109.D | 313655 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **52,000** | 2000 | 2000 | 40 | 03/17/2025 15:36 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-1 | 2503B20-003A | Water | 03/12/2025 10:08 | GC26 0317250112.D | 313655 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3000** | 100 | 100 | 2 | 03/17/2025 16:12 |

Analyst(s): CLO

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B20 |
| **Date Received:** | 03/17/2025 11:38 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/17/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-528665 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-30 | 2503B20-004A | Water | 03/12/2025 11:01 | GC26 0317250115.D | 313655 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3200** | 120 | 120 | 2.5 | 03/17/2025 16:49 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-15 | 2503B20-005A | Water | 03/12/2025 11:54 | GC26 0317250118.D | 313655 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **19,000** | 1000 | 1000 | 20 | 03/17/2025 17:28 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B20 |
| **Date Prepared:** | 03/17/2025 | **BatchID:** | 313655 |
| **Date Analyzed:** | 03/17/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528665 | **Sample ID:** | MB/LCS/LCSD-313655 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 140 | 187.2 | 76 | 75 | 70-130 | 1.95 | 30 |

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# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503B20** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 079649
Project: EO-528665

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **03/17/2025**
*Date Logged:* **03/17/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503B20-001 | DW-29 | Water | 3/12/2025 08:18 | ☐ | A | A | | | | | | | | | | |
| 2503B20-002 | DW-31 | Water | 3/12/2025 09:14 | ☐ | A | A | | | | | | | | | | |
| 2503B20-003 | DW-1 | Water | 3/12/2025 10:08 | ☐ | A | A | | | | | | | | | | |
| 2503B20-004 | DW-30 | Water | 3/12/2025 11:01 | ☐ | A | A | | | | | | | | | | |
| 2503B20-005 | DW-15 | Water | 3/12/2025 11:54 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Gemma Gomez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-528665 **Work Order:** 2503B20
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-29 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/12/2025 8:18 | 5 days | 3/24/2025 | None | ☐ | ☐ |
| 002A | DW-31 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/12/2025 9:14 | 5 days | 3/24/2025 | None | ☐ | ☐ |
| 003A | DW-1 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/12/2025 10:08 | 5 days | 3/24/2025 | None | ☐ | ☐ |
| 004A | DW-30 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/12/2025 11:01 | 5 days | 3/24/2025 | None | ☐ | ☐ |
| 005A | DW-15 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/12/2025 11:54 | 5 days | 3/24/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2503B20

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-528665
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-29 | 12-MAR-2025 08:18 | 528665-001 | 2 | Water | RSK-175 CO2 | |
| DW-31 | 12-MAR-2025 09:14 | 528665-002 | 2 | Water | RSK-175 CO2 | |
| DW-1 | 12-MAR-2025 10:08 | 528665-003 | 2 | Water | RSK-175 CO2 | |
| DW-30 | 12-MAR-2025 11:01 | 528665-004 | 2 | Water | RSK-175 CO2 | |
| DW-15 | 12-MAR-2025 11:54 | 528665-005 | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | D. Quintana EA-ORA | |
| | Date: 3/13/25 1650 | Date: 3/17/25 11:38 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1 of 1

915: 562757346

10.3 met

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-528665

Date and Time Received: 3/17/2025 11:38
Date Logged: 3/17/2025
Received by: Gemma Gomez
Logged by: Gemma Gomez

WorkOrder №: 2503B20 Matrix: Water
Carrier: Golden State Overnight

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | NA ☐ |
| Custody seals intact on sample bottles? | Yes ☑ | No ☐ | NA ☐ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 10.3°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☑ | No ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 529353
Report Level : II
Report Date : 04/09/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #: 529353
Project No: GW MONITORING
Date Received: 03/20/25

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-8 | 529353-001 | 03/20/25 09:06 | Water |
| DW-17 | 529353-002 | 03/20/25 10:41 | Water |
| DW-16 | 529353-003 | 03/20/25 12:00 | Water |
| DW-3 | 529353-004 | 03/20/25 12:56 | Water |
| QCFB | 529353-005 | 03/20/25 09:08 | Water |
| QCTB | 529353-006 | 03/20/25 00:00 | Water |

# Case Narrative

Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Steve Cassulo

Lab Job Number: 529353
Project No: GW MONITORING
Date Received: 03/20/25

This data package contains sample and QC results for six water samples, requested for the above referenced project on 03/21/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for chloride and sulfate in the MS/MSD for batch 366683 and the MS/MSD for batch 368244; affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 529353

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |

**Enthalpy Analytical**
931 W Barkely Ave, Orange, CA 92868
(714) 771-6900

**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-8 | 3/20/25 | 906 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-17 | ↓ | 1041 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 3 | DW-16 | ↓ | 1200 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 4 | DW-3 | ↓ | 1256 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | ↓ | 908 | ↓ | 3 | ↓ | X | | | | | | | | |
| 6 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Analysis Request**

IR 13
2.8,20

**Quarterly MPars**

**cc report to:**
**pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

Login 529353

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Paul Chang | CEI | 3/20/25 1410 |
| 1 Received By: | | Hrag B. | EA-WH | 3/20/25 1410 |
| 2 Relinquished By: | | Hrag B. | EA-WH | 3/21/25 1100 |
| 2 Received By: | | Mike b | EA | 3-21-25 1207 |
| 3 Relinquished By: | | M Arb | EA | 3-21-25 1700 |
| 3 Received By: | | [illegible] | EA | 3/21/25 1300 |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3·20·25 WO# _____ Client: CHIQUITA CYN L.F.

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☑ No**

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3·20·25 By (initials) JWL Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.7C

Cooler Temp (°C) #1: 12.3 / 11.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/21/25 WO# 529353 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/21/25 By (initials) NIG Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 2.8 / 2.8 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? Illegible | ✗ | ✓ | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.C - ONE 500ML AMBER GLASS FOR SAMPLE -003 HAS NO SAMPLING TIME.

- SAMPLES FOR -006 HAVE NO SAMPLE ID, DATE AND TIME OF COLLECTION

☐ **No additional discrepancies**

**Date Logged** 3/20/25 **By (print)** Adam Dinkmeyer **(sign)** AdDnk

**Date Labeled** 3/21/25 **By (print)** EA - ORANGE **(sign)** EA - ORANGE

ENTHALPY ANALYTICAL

# Analysis Results for 529353

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 529353
Project No: GW MONITORING
Date Received: 03/20/25

**Sample ID: DW-8** **Lab ID: 529353-001** **Collected: 03/20/25 09:06**
**Matrix: Water**

| 529353-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.21** | | mg/L | 0.20 | 0.034 | 1 | 368244 | 04/08/25 14:36 | 04/08/25 20:36 | AJL |
| Chloride | **67** | | mg/L | 1.0 | 0.27 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 02:21 | AJL |
| Bromide | **0.19** | J | mg/L | 0.30 | 0.060 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 02:21 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 02:21 | AJL |
| Sulfate | **2,800** | | mg/L | 50 | 12 | 50 | 366683 | 03/21/25 15:05 | 03/22/25 02:42 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **1.0** | | mg/L | 0.10 | 0.050 | 1 | 367727 | 04/02/25 | 04/02/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 367576 | 04/01/25 | 04/01/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.0** | | mg/L | 0.050 | 0.0055 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Calcium | **350** | | mg/L | 0.57 | 0.57 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Iron | **5.0** | | mg/L | 0.046 | 0.046 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Magnesium | **200** | | mg/L | 0.10 | 0.025 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Manganese | **0.064** | | mg/L | 0.010 | 0.0029 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Potassium | **6.2** | | mg/L | 0.50 | 0.42 | 1 | 366726 | 03/22/25 | 03/24/25 | KCD |
| Sodium | **580** | | mg/L | 0.50 | 0.35 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 529353

| 529353-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 529353

| 529353-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 366785 | 03/23/25 | 03/25/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 104% | | %REC | 80-120 | | 1 | 366785 | 03/23/25 | 03/25/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366723 | 03/22/25 | 03/22/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **2.8** | | mg/L | 1.0 | 0.68 | 1 | 367056 | 03/26/25 | 03/26/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **400** | | mg/L | 6.7 | | 3.3 | 367167 | 03/26/25 | 03/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **400** | | mg/L | 6.7 | | 3.3 | 367167 | 03/26/25 | 03/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **4,500** | | mg/L | 40 | | 4 | 367027 | 03/25/25 | 03/26/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 529353

| Sample ID: DW-17 | Lab ID: 529353-002 | Collected: 03/20/25 10:41 |
|---|---|---|
| | Matrix: Water | |

| 529353-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.16** | J | mg/L | 0.20 | 0.072 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 03:03 | AJL |
| Chloride | **150** | | mg/L | 1.0 | 0.27 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 03:03 | AJL |
| Bromide | **0.31** | | mg/L | 0.30 | 0.060 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 03:03 | AJL |
| Nitrogen, Nitrate | **0.98** | | mg/L | 0.10 | 0.05 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 03:03 | AJL |
| Sulfate | **180** | | mg/L | 10 | 2.5 | 10 | 366683 | 03/21/25 15:05 | 03/22/25 03:24 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 367727 | 04/02/25 | 04/02/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 367576 | 04/01/25 | 04/01/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.075** | | mg/L | 0.050 | 0.0055 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Calcium | **4.9** | | mg/L | 0.57 | 0.57 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Magnesium | **0.15** | | mg/L | 0.10 | 0.025 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Potassium | **0.56** | | mg/L | 0.50 | 0.42 | 1 | 366726 | 03/22/25 | 03/24/25 | KCD |
| Sodium | **220** | | mg/L | 0.50 | 0.35 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 529353

| 529353-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 96% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dichloroethane-d4 | 96% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 529353

| 529353-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 366785 | 03/23/25 | 03/25/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 1 | 366785 | 03/23/25 | 03/25/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366723 | 03/22/25 | 03/22/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.3** | | mg/L | 1.0 | 0.68 | 1 | 367056 | 03/26/25 | 03/26/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **110** | | mg/L | 5.0 | | 2.5 | 367167 | 03/26/25 | 03/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **160** | | mg/L | 5.0 | | 2.5 | 367167 | 03/26/25 | 03/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **690** | | mg/L | 20 | | 2 | 367027 | 03/25/25 | 03/26/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 529353

| Sample ID: DW-16 | Lab ID: 529353-003 | Collected: 03/20/25 12:00 |
|---|---|---|
| | Matrix: Water | |

| 529353-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.40** | | mg/L | 0.20 | 0.072 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 03:45 | AJL |
| Chloride | **100** | | mg/L | 1.0 | 0.27 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 03:45 | AJL |
| Bromide | **0.26** | J | mg/L | 0.30 | 0.060 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 03:45 | AJL |
| Nitrogen, Nitrate | **2.2** | | mg/L | 0.10 | 0.05 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 03:45 | AJL |
| Sulfate | **180** | | mg/L | 10 | 2.5 | 10 | 366683 | 03/21/25 15:05 | 03/22/25 04:06 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 367727 | 04/02/25 | 04/02/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **4.0** | | mg/L | 4.0 | 2.0 | 1 | 367576 | 04/01/25 | 04/01/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.12** | | mg/L | 0.050 | 0.0055 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Calcium | **6.8** | | mg/L | 0.57 | 0.57 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Magnesium | **0.39** | | mg/L | 0.10 | 0.025 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Potassium | **0.72** | | mg/L | 0.50 | 0.42 | 1 | 366726 | 03/22/25 | 03/24/25 | KCD |
| Sodium | **230** | | mg/L | 0.50 | 0.35 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Freon 12 | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Trichlorofluoromethane | **0.09** | J | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1-Dichloroethane | **1.1** | J | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| cis-1,2-Dichloroethene | **0.7** | J | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chloroform | **0.3** | J | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 529353

| 529353-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Trichloroethene | **0.7** | J | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Tetrachloroethene | **0.6** | J | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,4-Dichlorobenzene | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | HMN |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 529353

| 529353-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 366785 | 03/23/25 | 03/25/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 366785 | 03/23/25 | 03/25/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366723 | 03/22/25 | 03/22/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.4** | | mg/L | 1.0 | 0.68 | 1 | 367056 | 03/26/25 | 03/26/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **210** | | mg/L | 5.0 | | 2.5 | 367167 | 03/26/25 | 03/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **240** | | mg/L | 5.0 | | 2.5 | 367167 | 03/26/25 | 03/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **660** | | mg/L | 20 | | 2 | 367027 | 03/25/25 | 03/26/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 529353

| Sample ID: DW-3 | Lab ID: 529353-004 | Collected: 03/20/25 12:56 |
|---|---|---|
| | Matrix: Water | |

| 529353-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.63** | | mg/L | 0.20 | 0.072 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 04:27 | AJL |
| Chloride | **57** | | mg/L | 1.0 | 0.27 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 04:27 | AJL |
| Bromide | **0.19** | J | mg/L | 0.30 | 0.060 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 04:27 | AJL |
| Nitrogen, Nitrate | **1.9** | | mg/L | 0.10 | 0.05 | 1 | 366683 | 03/21/25 15:05 | 03/22/25 04:27 | AJL |
| Sulfate | **100** | | mg/L | 10 | 2.5 | 10 | 366683 | 03/21/25 15:05 | 03/22/25 04:48 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 367727 | 04/02/25 | 04/02/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **3.0** | J | mg/L | 4.0 | 2.0 | 1 | 367576 | 04/01/25 | 04/01/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.25** | | mg/L | 0.050 | 0.0055 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Calcium | **33** | | mg/L | 0.57 | 0.57 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Magnesium | **4.0** | | mg/L | 0.10 | 0.025 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Potassium | **1.4** | | mg/L | 0.50 | 0.42 | 1 | 366726 | 03/22/25 | 03/24/25 | KCD |
| Sodium | **120** | | mg/L | 0.50 | 0.35 | 1 | 366726 | 03/22/25 | 03/23/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Freon 12 | **4.4** | J | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Trichlorofluoromethane | **0.1** | J | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1-Dichloroethane | **0.3** | J | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 529353

| 529353-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Tetrachloroethene | **0.8** | J | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 95% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichloroethane-d4 | 95% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 529353

| 529353-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 366785 | 03/23/25 | 03/25/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 366785 | 03/23/25 | 03/25/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366723 | 03/22/25 | 03/22/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 367056 | 03/26/25 | 03/26/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 367167 | 03/26/25 | 03/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 367167 | 03/26/25 | 03/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **500** | | mg/L | 20 | | 2 | 367027 | 03/25/25 | 03/26/25 | RDL |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 529353

| Sample ID: QCFB | Lab ID: 529353-005 | Collected: 03/20/25 09:08 |
|---|---|---|
| | Matrix: Water | |

| 529353-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 529353

| 529353-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 95% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichloroethane-d4 | 95% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 529353

| Sample ID: QCTB | Lab ID: 529353-006 | Collected: 03/20/25 |
|---|---|---|
| | Matrix: Water | |

| 529353-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 529353

| 529353-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 97% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 367564 | 04/01/25 | 04/01/25 | EJB |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1241498** | **Batch:** | **366683** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1241498 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.072 | 03/21/25 15:05 | 03/21/25 18:00 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 03/21/25 15:05 | 03/21/25 18:00 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 03/21/25 15:05 | 03/21/25 18:00 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 03/21/25 15:05 | 03/21/25 18:00 |
| Sulfate | ND | | mg/L | 1.0 | 0.25 | 03/21/25 15:05 | 03/21/25 18:00 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1241499** | **Batch:** | **366683** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1241499 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.597 | 10.00 | mg/L | 96% | | 90-110 |
| Chloride | 47.26 | 50.00 | mg/L | 95% | | 90-110 |
| Bromide | 14.88 | 15.00 | mg/L | 99% | | 90-110 |
| Nitrogen, Nitrate | 4.471 | 4.518 | mg/L | 99% | | 90-110 |
| Sulfate | 25.05 | 25.00 | mg/L | 100% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1241500** | **Batch:** | **366683** |
| **Matrix (Source ID):** | **Water (529294-003)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1241500 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.86 | 0.09194 | 20.00 | mg/L | 99% | | 80-120 | 1 |
| Chloride | 185.8 | 90.99 | 100.0 | mg/L | 95% | | 80-120 | 1 |
| Bromide | 15.18 | 0.1479 | 15.00 | mg/L | 100% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.672 | 0.5605 | 9.036 | mg/L | 101% | | 80-120 | 1 |
| Sulfate | 74.57 | 25.10 | 50.00 | mg/L | 99% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1241501** | **Batch:** | **366683** |
| **Matrix (Source ID):** | **Water (529294-003)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1241501 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.67 | 0.09194 | 20.00 | mg/L | 98% | | 80-120 | 1 | 20 | 1 |
| Chloride | 185.1 | 90.99 | 100.0 | mg/L | 94% | | 80-120 | 0 | 20 | 1 |
| Bromide | 15.05 | 0.1479 | 15.00 | mg/L | 99% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.601 | 0.5605 | 9.036 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 74.11 | 25.10 | 50.00 | mg/L | 98% | | 80-120 | 1 | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1241502 | Batch: | 366683 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529397-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1241502 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.10 | 0.4406 | 20.00 | mg/L | 98% | | 80-120 | 1 |
| Chloride | 338.2 | 242.9 | 100.0 | mg/L | 95% | E | 80-120 | 1 |
| Bromide | 15.77 | 0.9493 | 15.00 | mg/L | 99% | | 80-120 | 1 |
| Nitrogen, Nitrate | 12.45 | 3.468 | 9.036 | mg/L | 99% | | 80-120 | 1 |
| Sulfate | 173.3 | 127.9 | 50.00 | mg/L | 91% | E | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1241503 | Batch: | 366683 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529397-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1241503 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.25 | 0.4406 | 20.00 | mg/L | 99% | | 80-120 | 1 | 20 | 1 |
| Chloride | 338.9 | 242.9 | 100.0 | mg/L | 96% | E | 80-120 | | 20 | 1 |
| Bromide | 15.92 | 0.9493 | 15.00 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 12.51 | 3.468 | 9.036 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 173.8 | 127.9 | 50.00 | mg/L | 92% | E | 80-120 | | 20 | 1 |

| Type: | Blank | Lab ID: | QC1246850 | Batch: | 368244 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1246850 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.034 | 04/08/25 14:36 | 04/08/25 19:55 |

| Type: | Lab Control Sample | Lab ID: | QC1246851 | Batch: | 368244 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1246851 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.564 | 10.00 | mg/L | 96% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1246852 | Batch: | 368244 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (530526-004) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1246852 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.41 | 0.4065 | 20.00 | mg/L | 100% | | 80-120 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1246853 | Batch: | 368244 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (530526-004) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1246853 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.88 | 0.4065 | 20.00 | mg/L | 102% | | 80-120 | 2 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1246867 | Batch: | 368244 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (530350-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1246867 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.23 | 0.3809 | 20.00 | mg/L | 99% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1246868 | Batch: | 368244 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (530350-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1246868 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.36 | 0.3809 | 20.00 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1245022 | Batch: | 367727 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1245022 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 04/02/25 | 04/02/25 |

| Type: | Lab Control Sample | Lab ID: | QC1245025 | Batch: | 367727 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1245025 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9102 | 1.000 | mg/L | 91% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1245026 | Batch: | 367727 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529397-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1245026 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.099 | ND | 1.000 | mg/L | 110% | | 90-110 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1245027 | Batch: | 367727 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529397-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1245027 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9887 | ND | 1.000 | mg/L | 99% | | 90-110 | 11 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1245028 | Batch: | 367727 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529798-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1245028 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9278 | ND | 1.000 | mg/L | 93% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1245029 | Batch: | 367727 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529798-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1245029 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9279 | ND | 1.000 | mg/L | 93% | | 90-110 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1244533 | Batch: | 367576 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1244533 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 04/01/25 | 04/01/25 |

| Type: | Lab Control Sample | Lab ID: | QC1244534 | Batch: | 367576 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1244534 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 99.00 | 100.0 | mg/L | 99% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1244535 | Batch: | 367576 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529353-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1244535 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 98.00 | ND | 100.0 | mg/L | 98% | | 75-125 | 2 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1244536** | **Batch:** | **367576** |
| **Matrix (Source ID):** | **Water (529353-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1244536 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 102.0 | ND | 100.0 | mg/L | 102% | | 75-125 | 4 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1244537** | **Batch:** | **367576** |
| **Matrix (Source ID):** | **Water (529353-002)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1244537 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 92.00 | ND | 100.0 | mg/L | 92% | | 75-125 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1244538** | **Batch:** | **367576** |
| **Matrix (Source ID):** | **Water (529353-002)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1244538 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 94.00 | ND | 100.0 | mg/L | 94% | | 75-125 | 2 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1241657** | **Batch:** | **366726** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1241657 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 03/22/25 | 03/23/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/22/25 | 03/23/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 03/22/25 | 03/23/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 03/22/25 | 03/23/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 03/22/25 | 03/23/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 03/22/25 | 03/24/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 03/22/25 | 03/23/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1241658** | **Batch:** | **366726** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1241658 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3496 | 0.4000 | mg/L | 87% | | 80-120 |
| Calcium | 19.09 | 20.40 | mg/L | 94% | | 80-120 |
| Iron | 0.3580 | 0.4000 | mg/L | 90% | | 80-120 |
| Magnesium | 18.69 | 20.40 | mg/L | 92% | | 80-120 |
| Manganese | 0.3631 | 0.4000 | mg/L | 91% | | 80-120 |
| Potassium | 20.75 | 24.00 | mg/L | 86% | | 80-120 |
| Sodium | 18.25 | 20.40 | mg/L | 89% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1241659 | Batch: | 366726 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529458-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1241659 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 90.20 | 83.79 | 8.000 | mg/L | 80% | NM | 75-125 | 20 |
| Calcium | 6,294 | 6016 | 408.0 | mg/L | 68% | NM | 75-125 | 20 |
| Iron | 938.1 | 944.8 | 8.000 | mg/L | -83% | E,NM | 75-125 | 20 |
| Magnesium | 1,238 | 886.0 | 408.0 | mg/L | 86% | | 75-125 | 20 |
| Manganese | 43.06 | 36.66 | 8.000 | mg/L | 80% | NM | 75-125 | 20 |
| Potassium | 1,993 | 1598 | 480.0 | mg/L | 82% | | 75-125 | 20 |
| Sodium | 5,262 | 4981 | 408.0 | mg/L | 69% | NM | 75-125 | 20 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1241660 | Batch: | 366726 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529458-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1241660 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 90.55 | 83.79 | 8.000 | mg/L | 84% | NM | 75-125 | 0 | 20 | 20 |
| Calcium | 6,289 | 6016 | 408.0 | mg/L | 67% | NM | 75-125 | 0 | 20 | 20 |
| Iron | 938.6 | 944.8 | 8.000 | mg/L | -77% | E,NM | 75-125 | | 20 | 20 |
| Magnesium | 1,231 | 886.0 | 408.0 | mg/L | 84% | | 75-125 | 1 | 20 | 20 |
| Manganese | 43.00 | 36.66 | 8.000 | mg/L | 79% | NM | 75-125 | 0 | 20 | 20 |
| Potassium | 2,032 | 1598 | 480.0 | mg/L | 90% | | 75-125 | 2 | 20 | 20 |
| Sodium | 5,266 | 4981 | 408.0 | mg/L | 70% | NM | 75-125 | 0 | 20 | 20 |

| Type: | Serial Dilution | Lab ID: | QC1242133 | Batch: | 366726 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529353-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1242133 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 1.093 | 1.001 | mg/L | | | | 5 |
| Calcium | 360.3 | 349.6 | mg/L | | | | 5 |
| Iron | 5.256 | 4.959 | mg/L | | | | 5 |
| Magnesium | 201.7 | 196.6 | mg/L | | | | 5 |
| Manganese | 0.06669 | 0.06387 | mg/L | | | | 5 |
| Potassium | 5.430 | 6.176 | mg/L | | | | 5 |
| Sodium | 619.6 | 583.0 | mg/L | | | | 5 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1244490** | **Batch:** | **367564** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1244490 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.30 | 50.00 | ug/L | 99% | | 70-135 |
| MTBE | 43.55 | 50.00 | ug/L | 87% | | 70-130 |
| Benzene | 48.80 | 50.00 | ug/L | 98% | | 70-130 |
| Trichloroethene | 52.54 | 50.00 | ug/L | 105% | | 70-130 |
| Toluene | 50.47 | 50.00 | ug/L | 101% | | 70-130 |
| Chlorobenzene | 50.80 | 50.00 | ug/L | 102% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 48.30 | 50.00 | ug/L | 97% | | 70-130 |
| 1,2-Dichloroethane-d4 | 46.06 | 50.00 | ug/L | 92% | | 70-130 |
| Toluene-d8 | 51.46 | 50.00 | ug/L | 103% | | 70-130 |
| Bromofluorobenzene | 51.36 | 50.00 | ug/L | 103% | | 70-130 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1244491** | **Batch:** | **367564** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1244491 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.51 | 50.00 | ug/L | 99% | | 70-135 | 0 | 30 |
| MTBE | 45.24 | 50.00 | ug/L | 90% | | 70-130 | 4 | 30 |
| Benzene | 49.16 | 50.00 | ug/L | 98% | | 70-130 | 1 | 30 |
| Trichloroethene | 50.64 | 50.00 | ug/L | 101% | | 70-130 | 4 | 30 |
| Toluene | 49.03 | 50.00 | ug/L | 98% | | 70-130 | 3 | 30 |
| Chlorobenzene | 50.15 | 50.00 | ug/L | 100% | | 70-130 | 1 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 48.51 | 50.00 | ug/L | 97% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 47.18 | 50.00 | ug/L | 94% | | 70-130 | | |
| Toluene-d8 | 50.56 | 50.00 | ug/L | 101% | | 70-130 | | |
| Bromofluorobenzene | 50.63 | 50.00 | ug/L | 101% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1244495 | **Batch:** 367564 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1244495 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 04/01/25 | 04/01/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 04/01/25 | 04/01/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 04/01/25 | 04/01/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 04/01/25 | 04/01/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 04/01/25 | 04/01/25 |
| Acetone | ND | | ug/L | 100 | 21 | 04/01/25 | 04/01/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 04/01/25 | 04/01/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 04/01/25 | 04/01/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 04/01/25 | 04/01/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 04/01/25 | 04/01/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 04/01/25 | 04/01/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 04/01/25 | 04/01/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 04/01/25 | 04/01/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 04/01/25 | 04/01/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 04/01/25 | 04/01/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 04/01/25 | 04/01/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 04/01/25 | 04/01/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 04/01/25 | 04/01/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 04/01/25 | 04/01/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |

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# Batch QC

| QC1244495 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/01/25 | 04/01/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 04/01/25 | 04/01/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/01/25 | 04/01/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 04/01/25 | 04/01/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 04/01/25 | 04/01/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 04/01/25 | 04/01/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 04/01/25 | 04/01/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 04/01/25 | 04/01/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 04/01/25 | 04/01/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 04/01/25 | 04/01/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 04/01/25 | 04/01/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 94% | | %REC | 70-130 | | 04/01/25 | 04/01/25 |
| 1,2-Dichloroethane-d4 | 95% | | %REC | 70-130 | | 04/01/25 | 04/01/25 |
| Toluene-d8 | 102% | | %REC | 70-130 | | 04/01/25 | 04/01/25 |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 04/01/25 | 04/01/25 |

**Type:** Matrix Spike **Lab ID:** QC1244569 **Batch:** 367564
**Matrix (Source ID):** Water (530045-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1244569 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 925.9 | ND | 1000 | ug/L | 93% | | 70-130 | 50 |
| MTBE | 866.6 | ND | 1000 | ug/L | 87% | | 75-130 | 50 |
| Benzene | 965.5 | 16.89 | 1000 | ug/L | 95% | | 70-130 | 50 |
| Trichloroethene | 983.1 | ND | 1000 | ug/L | 98% | | 63-130 | 50 |
| Toluene | 955.9 | ND | 1000 | ug/L | 96% | | 70-130 | 50 |
| Chlorobenzene | 967.7 | ND | 1000 | ug/L | 97% | | 70-130 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,422 | | 2500 | ug/L | 97% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,334 | | 2500 | ug/L | 93% | | 70-130 | 50 |
| Toluene-d8 | 2,554 | | 2500 | ug/L | 102% | | 70-130 | 50 |
| Bromofluorobenzene | 2,510 | | 2500 | ug/L | 100% | | 70-130 | 50 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1244570 | Batch: | 367564 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (530045-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1244570 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 1,007 | ND | 1000 | ug/L | 101% | | 70-130 | 8 | 30 | 50 |
| MTBE | 963.6 | ND | 1000 | ug/L | 96% | | 75-130 | 11 | 30 | 50 |
| Benzene | 1,030 | 16.89 | 1000 | ug/L | 101% | | 70-130 | 6 | 30 | 50 |
| Trichloroethene | 1,047 | ND | 1000 | ug/L | 105% | | 63-130 | 6 | 30 | 50 |
| Toluene | 1,004 | ND | 1000 | ug/L | 100% | | 70-130 | 5 | 30 | 50 |
| Chlorobenzene | 1,023 | ND | 1000 | ug/L | 102% | | 70-130 | 6 | 30 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,493 | | 2500 | ug/L | 100% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,396 | | 2500 | ug/L | 96% | | 70-130 | | | 50 |
| Toluene-d8 | 2,509 | | 2500 | ug/L | 100% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,502 | | 2500 | ug/L | 100% | | 70-130 | | | 50 |

| Type: | Blank | Lab ID: | QC1241864 | Batch: | 366785 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1241864 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 03/23/25 | 03/25/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 103% | | %REC | 80-120 | | 03/23/25 | 03/25/25 |

| Type: | Lab Control Sample | Lab ID: | QC1241865 | Batch: | 366785 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1241865 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.345 | 10.00 | ug/L | 93% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.15 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1241866 | Batch: | 366785 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1241866 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.855 | 10.00 | ug/L | 89% | | 80-120 | 5 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.12 | 10.00 | ug/L | 101% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1241643 | Batch: | 366723 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1241643 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/22/25 | 03/22/25 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1241644 **Batch:** 366723
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1241644 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1241645 **Batch:** 366723
**Matrix (Source ID):** Water (529179-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1241645 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1241646 **Batch:** 366723
**Matrix (Source ID):** Water (529179-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1241646 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1242795 **Batch:** 367056
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1242795 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 03/26/25 | 03/26/25 |

**Type:** Lab Control Sample **Lab ID:** QC1242796 **Batch:** 367056
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1242796 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 24.44 | 25.00 | mg/L | 98% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1242797 **Batch:** 367056
**Matrix (Source ID):** Water (529353-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1242797 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 26.21 | 2.758 | 25.00 | mg/L | 94% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1242798 **Batch:** 367056
**Matrix (Source ID):** Water (529353-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1242798 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 26.41 | 2.758 | 25.00 | mg/L | 95% | | 75-125 | 1 | 25 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1243106 | Batch: 367167 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1243106 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 03/26/25 | 03/26/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 03/26/25 | 03/26/25 |

| Type: Lab Control Sample | Lab ID: QC1243107 | Batch: 367167 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1243107 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,073 | 1000 | mg/L | 107% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1243108 | Batch: 367167 |
|---|---|---|
| Matrix (Source ID): Water (529555-002) | Method: SM2320B | Prep Method: METHOD |

| QC1243108 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 148.7 | 145.0 | mg/L | | 3 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 148.7 | 145.0 | mg/L | | 3 | 20 | 2.5 |

| Type: Blank | Lab ID: QC1242637 | Batch: 367027 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1242637 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 03/25/25 | 03/26/25 |

| Type: Lab Control Sample | Lab ID: QC1242638 | Batch: 367027 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1242638 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,048 | 1000 | mg/L | 105% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1242639 | Batch: 367027 |
|---|---|---|
| Matrix (Source ID): Water (529353-001) | Method: SM2540C | Prep Method: METHOD |

| QC1242639 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 4,400 | 4472 | mg/L | | 2 | 5 | 4 |

E Response exceeds instrument's linear range
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 529353**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2503G75

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-529353

**Project Location:**
**Project Received:** 03/25/2025

Analytical Report reviewed & approved for release on 03/28/2025 by:

Tracy Babjar

Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503G75

**Project:** EO-529353

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503G75

**Project:** EO-529353

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503G75 |
| **Date Received:** | 03/25/2025 11:25 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/26/2025-03/27/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-529353 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-8 | 2503G75-001A | Water | 03/20/2025 09:06 | GC26 0326250906.D | 314160 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **29,000** | 1200 | 1200 | 25 | 03/26/2025 12:32 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| RW-17 | 2503G75-002A | Water | 03/20/2025 10:41 | GC26 0327251006.D | 314160 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **440** | 50 | 50 | 1 | 03/27/2025 11:43 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-16 | 2503G75-003A | Water | 03/20/2025 12:00 | GC26 0326250915.D | 314160 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1300** | 50 | 50 | 1 | 03/26/2025 15:54 |

Analyst(s): CLO

*(Cont.)*

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503G75 |
| **Date Received:** | 03/25/2025 11:25 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/26/2025-03/27/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-529353 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-3 | 2503G75-004A | Water | 03/20/2025 12:56 | GC26 0326250919.D | 314160 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3200** | 120 | 120 | 2.5 | 03/26/2025 16:42 |

Analyst(s): CLO

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503G75 |
| **Date Prepared:** | 03/26/2025 | **BatchID:** | 314160 |
| **Date Analyzed:** | 03/26/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-529353 | **Sample ID:** | MB/LCS/LCSD-314160 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 160 | 140 | 187.2 | 85 | 75 | 70-130 | 11.9 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503G75** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-529353

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **03/25/2025**
*Date Logged:* **03/25/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503G75-001 | DW-8 | Water | 3/20/2025 09:06 | ☐ | A | A | | | | | | | | | | |
| 2503G75-002 | RW-17 | Water | 3/20/2025 10:41 | ☐ | A | A | | | | | | | | | | |
| 2503G75-003 | DW-16 | Water | 3/20/2025 12:00 | ☐ | A | A | | | | | | | | | | |
| 2503G75-004 | DW-3 | Water | 3/20/2025 12:56 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Carolina Garcia**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-529353 **Work Order:** 2503G75
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/25/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-8 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/20/2025 9:06 | 5 days | 4/1/2025 | Present | ☐ | ☐ |
| 002A | RW-17 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/20/2025 10:41 | 5 days | 4/1/2025 | Present | ☐ | ☐ |
| 003A | DW-16 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/20/2025 12:00 | 5 days | 4/1/2025 | Present | ☐ | ☐ |
| 004A | DW-3 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/20/2025 12:56 | 5 days | 4/1/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2503G15

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-529353
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| ample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| W-8 | 20-MAR-2025 09:06 | 529353-001 | 2 | Water | RSK-175 CO2 | |
| W-17 | 20-MAR-2025 10:41 | 529353-002 | 2 | Water | RSK-175 CO2 | |
| W-16 | 20-MAR-2025 12:00 | 529353-003 | 2 | Water | RSK-175 CO2 | |
| W-3 | 20-MAR-2025 12:56 | 529353-004 | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Tim Kelly TTS Kelly | GLS |
| | Date: 3/24/25 | Date: |
| | | |
| | Date: | Date: |
| | GLS | Carlina Fo |
| | Date: | Date: 3/25/25 1125AM |

GLS: 562794105

0.2 Wet IR45

McCampbell Analytical, Inc.
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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 3/25/2025 11:25 |
| Project: | EO-529353 | Date Logged: | 3/25/2025 |
| | | Received by: | |
| WorkOrder №: | 2503G75 Matrix: | Logged by: | Carolina Garcia |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | NA | ☐ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.2°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531579
Report Level : II
Report Date : 05/07/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill - Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 531579<br>GW MONITORING<br>Chiquita Canyon Landfill - Quarterly MPars<br>04/22/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-28 | 531579-001 | 04/22/25 08:37 | Water |
| DW-8 | 531579-002 | 04/22/25 10:10 | Water |
| DW-9 | 531579-003 | 04/22/25 11:32 | Water |
| DW-29 | 531579-004 | 04/22/25 12:38 | Water |
| QCFB | 531579-005 | 04/22/25 10:12 | Water |
| QCTB | 531579-006 | 04/22/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 531579<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill - Quarterly MPars<br>Date Received: 04/22/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 04/23/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

Login 531579

# Chain of Custody Record

Lab No: 531579

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |

**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900

**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-28 | 4/22/25 | 837 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-8 | | 1010 | | | | X | X | X | X | X | X | X | X | X |
| 3 | DW-9 | | 1132 | | | | X | X | X | X | X | X | X | X | X |
| 4 | DW-29 | | 1238 | | | | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | | 1012 | | 3 | | X | | | | | | | | |
| 6 | QCTB | | — | | 2 | | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

DR 11

4.3, 4.4

**Quarterly MPars**

**cc report to:**
**pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 4/22/25 1340 |
| [1] Received By: | | Jim Lin | EA·NH | 4·22·25 1340 |
| [2] Relinquished By: | | Jim Lin | EA·NH | 4.23.25 9:30 |
| [2] Received By: | | GEMA O | EA·NH | 4.23.25 9:30 |
| [3] Relinquished By: | | GEMA O | EA·NH | 4.23.25 10:46 |
| [3] Received By: | | N/A | EA | 4-23-25 1200 |

REL: N/A EA 4-23-25 1245 / REC: GILBERT QUINTANA- EA-ORA 4/23/25 1245

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 4.22.25 WO# _____ Client: WASTE MANAGEMENT

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4.22.25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.7C

Cooler Temp (°C) #1: 13.2 / 12.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☐ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☐ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 4/23/25 WO# 531579 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/23/25 By (initials) NICK G Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR4 CF: +0.1

Cooler Temp (°C) #1: 4.3 / 4.4 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? (SW) | X | ✓ | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | ✓ | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.6) SAMPLE 006 – BOTH HCL VOA VIALS W/ NO ID, DATE, TIME – LABELED BASED ON PROCESS OF ELIMINATION

4.13) SAMPLE 006- 1 OF 2 HCL VOA VIALS W/ HEADSPACE > 6mm

☐ **No additional discrepancies**

**Date Logged** 4/22/25 **By (print)** ABD **(sign)** ABD

**Date Labeled** 4/23/25 **By (print)** JXR **(sign)** JXR

ENTHALPY ANALYTICAL

# Analysis Results for 531579

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531579
Project No: GW MONITORING
Location: Chiquita Canyon Landfill - Quarterly MPars
Date Received: 04/22/25

**Sample ID: DW-28** **Lab ID: 531579-001** **Collected: 04/22/25 08:37**
**Matrix: Water**

| 531579-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **1.3** | | mg/L | 0.20 | 0.034 | 1 | 370129 | 04/30/25 14:55 | 05/01/25 11:52 | AJL |
| Chloride | **34** | | mg/L | 1.0 | 0.27 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 16:31 | SSN |
| Bromide | **0.17** | J | mg/L | 0.30 | 0.060 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 16:31 | SSN |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 16:31 | SSN |
| Sulfate | **450** | | mg/L | 10 | 1.8 | 10 | 369548 | 04/23/25 15:23 | 04/23/25 16:48 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.39** | | mg/L | 0.10 | 0.050 | 1 | 369651 | 04/24/25 | 04/24/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **2.0** | J | mg/L | 4.0 | 2.0 | 1 | 369882 | 04/28/25 | 04/28/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.5** | | mg/L | 0.050 | 0.0055 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Calcium | **5.3** | | mg/L | 0.57 | 0.57 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Magnesium | **0.91** | | mg/L | 0.10 | 0.025 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Manganese | **0.0048** | J | mg/L | 0.010 | 0.0029 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Potassium | **0.90** | | mg/L | 0.50 | 0.40 | 1 | 369547 | 04/23/25 | 04/24/25 | CAP |
| Sodium | **340** | | mg/L | 0.50 | 0.35 | 1 | 369547 | 04/23/25 | 04/24/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| 531579-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| 531579-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 110% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Toluene-d8 | 96% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369733 | 04/25/25 | 04/25/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **2.1** | | mg/L | 1.0 | 0.68 | 1 | 369669 | 04/24/25 | 04/25/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **270** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **340** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,100** | | mg/L | 20 | | 2 | 369571 | 04/23/25 | 04/24/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| Sample ID: DW-8 | Lab ID: 531579-002 | Collected: 04/22/25 10:10 |
|---|---|---|
| | Matrix: Water | |

| 531579-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.21** | | mg/L | 0.20 | 0.034 | 1 | 370129 | 04/30/25 14:55 | 05/01/25 12:12 | AJL |
| Chloride | **65** | | mg/L | 1.0 | 0.27 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 17:05 | SSN |
| Bromide | **0.18** | J | mg/L | 0.30 | 0.060 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 17:05 | SSN |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 17:05 | SSN |
| Sulfate | **2,800** | | mg/L | 50 | 9.1 | 50 | 369548 | 04/23/25 15:23 | 04/24/25 10:20 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **1.1** | | mg/L | 0.10 | 0.050 | 1 | 369651 | 04/24/25 | 04/24/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 369882 | 04/28/25 | 04/28/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.2** | | mg/L | 0.050 | 0.0055 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Calcium | **390** | | mg/L | 0.57 | 0.57 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Iron | **5.9** | | mg/L | 0.046 | 0.046 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Magnesium | **220** | | mg/L | 0.10 | 0.025 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Manganese | **0.076** | | mg/L | 0.010 | 0.0029 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Potassium | **6.3** | | mg/L | 0.50 | 0.40 | 1 | 369547 | 04/23/25 | 04/24/25 | CAP |
| Sodium | **590** | | mg/L | 0.50 | 0.35 | 1 | 369547 | 04/23/25 | 04/24/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| 531579-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Toluene-d8 | 94% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531579

| 531579-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369733 | 04/25/25 | 04/25/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.2** | | mg/L | 1.0 | 0.68 | 1 | 369669 | 04/24/25 | 04/25/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **380** | | mg/L | 10 | | 5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **380** | | mg/L | 10 | | 5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **4,700** | | mg/L | 40 | | 4 | 369571 | 04/23/25 | 04/24/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| Sample ID: DW-9 | Lab ID: 531579-003 | Collected: 04/22/25 11:32 |
|---|---|---|
| | Matrix: Water | |

| 531579-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **2.2** | | mg/L | 0.20 | 0.034 | 1 | 370129 | 04/30/25 14:55 | 05/01/25 12:33 | AJL |
| Chloride | **79** | | mg/L | 1.0 | 0.27 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 17:38 | SSN |
| Bromide | **0.25** | J | mg/L | 0.30 | 0.060 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 17:38 | SSN |
| Nitrogen, Nitrate | **2.0** | | mg/L | 0.10 | 0.05 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 17:38 | SSN |
| Sulfate | **670** | | mg/L | 10 | 1.8 | 10 | 369548 | 04/23/25 15:23 | 04/23/25 17:55 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 369651 | 04/24/25 | 04/24/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 369882 | 04/28/25 | 04/28/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.67** | | mg/L | 0.050 | 0.0055 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Calcium | **24** | | mg/L | 0.57 | 0.57 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Iron | **0.058** | | mg/L | 0.046 | 0.046 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Magnesium | **2.5** | | mg/L | 0.10 | 0.025 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Potassium | **1.4** | | mg/L | 0.50 | 0.40 | 1 | 369547 | 04/23/25 | 04/24/25 | CAP |
| Sodium | **370** | | mg/L | 0.50 | 0.35 | 1 | 369547 | 04/23/25 | 04/24/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| 531579-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloroethane-d4 | 112% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531579

| 531579-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369733 | 04/25/25 | 04/25/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.73** | J | mg/L | 1.0 | 0.68 | 1 | 369669 | 04/24/25 | 04/25/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **170** | | mg/L | 10 | | 5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **170** | | mg/L | 10 | | 5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,400** | | mg/L | 20 | | 2 | 369571 | 04/23/25 | 04/24/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| Sample ID: DW-29 | Lab ID: 531579-004 | Collected: 04/22/25 12:38 |
|---|---|---|
| | Matrix: Water | |

| 531579-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.35** | | mg/L | 0.20 | 0.034 | 1 | 370505 | 05/05/25 18:00 | 05/05/25 23:49 | SSN |
| Chloride | **92** | | mg/L | 1.0 | 0.27 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 18:12 | SSN |
| Bromide | **0.30** | J | mg/L | 0.30 | 0.060 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 18:12 | SSN |
| Nitrogen, Nitrate | **2.1** | | mg/L | 0.10 | 0.05 | 1 | 369548 | 04/23/25 15:23 | 04/23/25 18:12 | SSN |
| Sulfate | **360** | | mg/L | 10 | 1.8 | 10 | 369548 | 04/23/25 15:23 | 04/23/25 18:29 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 369651 | 04/24/25 | 04/24/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 369882 | 04/28/25 | 04/28/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.42** | | mg/L | 0.050 | 0.0055 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Calcium | **79** | | mg/L | 0.57 | 0.57 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Iron | **0.051** | | mg/L | 0.046 | 0.046 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Magnesium | **10** | | mg/L | 0.10 | 0.025 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Manganese | **0.11** | | mg/L | 0.010 | 0.0029 | 1 | 369547 | 04/23/25 | 04/23/25 | CAP |
| Potassium | **1.5** | | mg/L | 0.50 | 0.40 | 1 | 369547 | 04/23/25 | 04/24/25 | CAP |
| Sodium | **240** | | mg/L | 0.50 | 0.35 | 1 | 369547 | 04/23/25 | 04/24/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| 531579-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531579

| 531579-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369733 | 04/25/25 | 04/25/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **6.5** | | mg/L | 1.0 | 0.68 | 1 | 369669 | 04/24/25 | 04/25/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **300** | | mg/L | 10 | | 5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **300** | | mg/L | 10 | | 5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,100** | | mg/L | 20 | | 2 | 369571 | 04/23/25 | 04/24/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| Sample ID: QCFB | Lab ID: 531579-005 | Collected: 04/22/25 10:12 |
|---|---|---|
| | Matrix: Water | |

| 531579-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Methylene Chloride | **6.5** | | ug/L | 5.0 | 3.5 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Chloroform | **0.8** | J | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| 531579-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| Sample ID: QCTB | Lab ID: 531579-006 | Collected: 04/22/25 |
|---|---|---|
| | Matrix: Water | |

| 531579-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531579

| 531579-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Toluene-d8 | 96% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 369514 | 04/23/25 | 04/23/25 | LYZ |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1251270 | **Batch:** 369548 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1251270 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 04/23/25 15:23 | 04/23/25 15:58 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 04/23/25 15:23 | 04/23/25 15:58 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 04/23/25 15:23 | 04/23/25 15:58 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 04/23/25 15:23 | 04/23/25 15:58 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1251271 | **Batch:** 369548 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1251271 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 46.60 | 50.00 | mg/L | 93% | | 90-110 |
| Bromide | 14.69 | 15.00 | mg/L | 98% | | 90-110 |
| Nitrogen, Nitrate | 4.360 | 4.518 | mg/L | 97% | | 90-110 |
| Sulfate | 24.39 | 25.00 | mg/L | 98% | | 90-110 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1251272 | **Batch:** 369548 |
| **Matrix (Source ID):** Water (531446-002) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1251272 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 108.5 | 8.170 | 100.0 | mg/L | 100% | | 80-120 | 1 |
| Bromide | 14.53 | ND | 15.00 | mg/L | 97% | | 80-120 | 1 |
| Nitrogen, Nitrate | 8.672 | 0.1782 | 9.036 | mg/L | 94% | | 80-120 | 1 |
| Sulfate | 60.41 | 11.12 | 50.00 | mg/L | 99% | | 80-120 | 1 |

| | | |
|---|---|---|
| **Type:** Matrix Spike Duplicate | **Lab ID:** QC1251273 | **Batch:** 369548 |
| **Matrix (Source ID):** Water (531446-002) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1251273 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 109.9 | 8.170 | 100.0 | mg/L | 102% | | 80-120 | 1 | 20 | 1 |
| Bromide | 14.73 | ND | 15.00 | mg/L | 98% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.005 | 0.1782 | 9.036 | mg/L | 98% | | 80-120 | 4 | 20 | 1 |
| Sulfate | 61.07 | 11.12 | 50.00 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1253266 | **Batch:** 370129 |
| **Matrix:** Drinking Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1253266 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.034 | 04/30/25 14:55 | 04/30/25 22:19 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Lab Control Sample | Lab ID: QC1253267 | Batch: 370129 |
|---|---|---|
| Matrix: Drinking Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1253267 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.633 | 10.00 | mg/L | 96% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1253270 | Batch: 370129 |
|---|---|---|
| Matrix (Source ID): Water (531984-002) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1253270 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.39 | 0.1045 | 20.00 | mg/L | 101% | | 80-120 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1253271 | Batch: 370129 |
|---|---|---|
| Matrix (Source ID): Water (531984-002) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1253271 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.22 | 0.1045 | 20.00 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |

| Type: Blank | Lab ID: QC1254608 | Batch: 370505 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1254608 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.034 | 05/05/25 18:00 | 05/05/25 18:21 |

| Type: Lab Control Sample | Lab ID: QC1254609 | Batch: 370505 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1254609 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.122 | 10.00 | mg/L | 91% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1254632 | Batch: 370505 |
|---|---|---|
| Matrix (Source ID): Water (532353-005) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1254632 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.38 | 0.6905 | 20.00 | mg/L | 98% | | 80-120 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1254633 | Batch: 370505 |
|---|---|---|
| Matrix (Source ID): Water (532353-005) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1254633 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.33 | 0.6905 | 20.00 | mg/L | 98% | | 80-120 | 0 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Blank **Lab ID:** QC1251587 **Batch:** 369651
**Matrix:** Water **Method:** EPA 350.1 **Prep Method:** METHOD

| QC1251587 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 04/24/25 | 04/24/25 |

**Type:** Lab Control Sample **Lab ID:** QC1251588 **Batch:** 369651
**Matrix:** Water **Method:** EPA 350.1 **Prep Method:** METHOD

| QC1251588 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9818 | 1.000 | mg/L | 98% | | 90-110 |

**Type:** Lab Control Sample **Lab ID:** QC1251589 **Batch:** 369651
**Matrix:** Water **Method:** EPA 350.1 **Prep Method:** METHOD

| QC1251589 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9966 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Lab Control Sample **Lab ID:** QC1251590 **Batch:** 369651
**Matrix:** Water **Method:** EPA 350.1 **Prep Method:** METHOD

| QC1251590 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.045 | 1.000 | mg/L | 104% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1251591 **Batch:** 369651
**Matrix (Source ID):** Water (531590-001) **Method:** EPA 350.1 **Prep Method:** METHOD

| QC1251591 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.049 | ND | 1.000 | mg/L | 105% | | 90-110 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1251592 **Batch:** 369651
**Matrix (Source ID):** Water (531590-001) **Method:** EPA 350.1 **Prep Method:** METHOD

| QC1251592 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.058 | ND | 1.000 | mg/L | 106% | | 90-110 | 1 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1252437 **Batch:** 369882
**Matrix:** Water **Method:** EPA 410.4 **Prep Method:** METHOD

| QC1252437 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 04/28/25 | 04/28/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Lab Control Sample | Lab ID: | QC1252438 | Batch: | 369882 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1252438 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 100.0 | 100.0 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1252439 | Batch: | 369882 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531407-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1252439 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 128.0 | 12.00 | 100.0 | mg/L | 116% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252440 | Batch: | 369882 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531407-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1252440 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 126.0 | 12.00 | 100.0 | mg/L | 114% | | 75-125 | 2 | 20 | 2 |

| Type: | Matrix Spike | Lab ID: | QC1252441 | Batch: | 369882 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531446-002) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1252441 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 118.0 | 16.00 | 100.0 | mg/L | 102% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252442 | Batch: | 369882 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531446-002) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1252442 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 126.0 | 16.00 | 100.0 | mg/L | 110% | | 75-125 | 7 | 20 | 2 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1251266 | Batch: | 369547 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531579-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1251266 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 1.913 | 1.510 | 0.4000 | mg/L | 101% | | 75-125 | 1 |
| Calcium | 25.79 | 5.264 | 20.40 | mg/L | 101% | | 75-125 | 1 |
| Iron | 0.4278 | ND | 0.4000 | mg/L | 107% | | 75-125 | 1 |
| Magnesium | 21.32 | 0.9093 | 20.40 | mg/L | 100% | | 75-125 | 1 |
| Manganese | 0.4152 | 0.004766 | 0.4000 | mg/L | 103% | | 75-125 | 1 |
| Potassium | 22.69 | 0.9016 | 24.00 | mg/L | 91% | | 75-125 | 1 |
| Sodium | 357.0 | 339.9 | 20.40 | mg/L | 84% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1251267 | Batch: | 369547 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531579-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1251267 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 1.914 | 1.510 | 0.4000 | mg/L | 101% | | 75-125 | 0 | 20 | 1 |
| Calcium | 25.97 | 5.264 | 20.40 | mg/L | 101% | | 75-125 | 1 | 20 | 1 |
| Iron | 0.4385 | ND | 0.4000 | mg/L | 110% | | 75-125 | 2 | 20 | 1 |
| Magnesium | 21.50 | 0.9093 | 20.40 | mg/L | 101% | | 75-125 | 1 | 20 | 1 |
| Manganese | 0.4209 | 0.004766 | 0.4000 | mg/L | 104% | | 75-125 | 1 | 20 | 1 |
| Potassium | 22.87 | 0.9016 | 24.00 | mg/L | 92% | | 75-125 | 1 | 20 | 1 |
| Sodium | 357.7 | 339.9 | 20.40 | mg/L | 87% | NM | 75-125 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1251268 | Batch: | 369547 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1251268 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 04/23/25 | 04/24/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 04/23/25 | 04/23/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 04/23/25 | 04/23/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 04/23/25 | 04/23/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 04/23/25 | 04/23/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 04/23/25 | 04/24/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 04/23/25 | 04/24/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Lab Control Sample | Lab ID: | QC1251269 | Batch: | 369547 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1251269 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3832 | 0.4000 | mg/L | 96% | | 80-120 |
| Calcium | 19.71 | 20.40 | mg/L | 97% | | 80-120 |
| Iron | 0.3869 | 0.4000 | mg/L | 97% | | 80-120 |
| Magnesium | 19.64 | 20.40 | mg/L | 96% | | 80-120 |
| Manganese | 0.3921 | 0.4000 | mg/L | 98% | | 80-120 |
| Potassium | 20.64 | 24.00 | mg/L | 86% | | 80-120 |
| Sodium | 17.77 | 20.40 | mg/L | 87% | | 80-120 |

| Type: | Serial Dilution | Lab ID: | QC1251313 | Batch: | 369547 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531579-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1251313 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 1.357 | 1.510 | mg/L | | | | 5 |
| Calcium | 4.775 | 5.264 | mg/L | | | | 5 |
| Iron | ND | ND | mg/L | | | | 5 |
| Magnesium | 0.8597 | 0.9093 | mg/L | | | | 5 |
| Manganese | ND | 0.004766 | mg/L | | | | 5 |
| Potassium | ND | 0.9016 | mg/L | | | | 5 |
| Sodium | 357.7 | 339.9 | mg/L | | | | 5 |

| Type: | Lab Control Sample | Lab ID: | QC1251161 | Batch: | 369514 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1251161 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46.56 | 50.00 | ug/L | 93% | | 70-135 |
| MTBE | 48.33 | 50.00 | ug/L | 97% | | 70-130 |
| Benzene | 48.29 | 50.00 | ug/L | 97% | | 70-130 |
| Trichloroethene | 49.95 | 50.00 | ug/L | 100% | | 70-130 |
| Toluene | 47.46 | 50.00 | ug/L | 95% | | 70-130 |
| Chlorobenzene | 46.95 | 50.00 | ug/L | 94% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 49.55 | 50.00 | ug/L | 99% | | 70-130 |
| 1,2-Dichloroethane-d4 | 51.92 | 50.00 | ug/L | 104% | | 70-130 |
| Toluene-d8 | 49.72 | 50.00 | ug/L | 99% | | 70-130 |
| Bromofluorobenzene | 50.93 | 50.00 | ug/L | 102% | | 70-130 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1251162** | **Batch:** | **369514** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1251162 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 44.57 | 50.00 | ug/L | 89% | | 70-135 | 4 | 30 |
| MTBE | 46.98 | 50.00 | ug/L | 94% | | 70-130 | 3 | 30 |
| Benzene | 46.60 | 50.00 | ug/L | 93% | | 70-130 | 4 | 30 |
| Trichloroethene | 48.12 | 50.00 | ug/L | 96% | | 70-130 | 4 | 30 |
| Toluene | 45.05 | 50.00 | ug/L | 90% | | 70-130 | 5 | 30 |
| Chlorobenzene | 44.62 | 50.00 | ug/L | 89% | | 70-130 | 5 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 49.25 | 50.00 | ug/L | 99% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 50.94 | 50.00 | ug/L | 102% | | 70-130 | | |
| Toluene-d8 | 49.83 | 50.00 | ug/L | 100% | | 70-130 | | |
| Bromofluorobenzene | 50.89 | 50.00 | ug/L | 102% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1251166 | **Batch:** 369514 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1251166 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 04/23/25 | 04/23/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 04/23/25 | 04/23/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 04/23/25 | 04/23/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 04/23/25 | 04/23/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Acetone | ND | | ug/L | 100 | 17 | 04/23/25 | 04/23/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 04/23/25 | 04/23/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 04/23/25 | 04/23/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 04/23/25 | 04/23/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 04/23/25 | 04/23/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 04/23/25 | 04/23/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 04/23/25 | 04/23/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |

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# Batch QC

| QC1251166 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 04/23/25 | 04/23/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 04/23/25 | 04/23/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 04/23/25 | 04/23/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 04/23/25 | 04/23/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 04/23/25 | 04/23/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 04/23/25 | 04/23/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 97% | | %REC | 70-130 | | 04/23/25 | 04/23/25 |
| 1,2-Dichloroethane-d4 | 105% | | %REC | 70-130 | | 04/23/25 | 04/23/25 |
| Toluene-d8 | 96% | | %REC | 70-130 | | 04/23/25 | 04/23/25 |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 04/23/25 | 04/23/25 |

**Type:** Matrix Spike **Lab ID:** QC1251217 **Batch:** 369514
**Matrix (Source ID):** Water (531549-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1251217 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 16.86 | ND | 20.00 | ug/L | 84% | | 70-130 | 1 |
| MTBE | 17.69 | ND | 20.00 | ug/L | 88% | | 75-130 | 1 |
| Benzene | 18.90 | 1.061 | 20.00 | ug/L | 89% | | 70-130 | 1 |
| Trichloroethene | 18.34 | ND | 20.00 | ug/L | 92% | | 63-130 | 1 |
| Toluene | 17.50 | ND | 20.00 | ug/L | 88% | | 70-130 | 1 |
| Chlorobenzene | 18.57 | 1.039 | 20.00 | ug/L | 88% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 48.49 | | 50.00 | ug/L | 97% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 53.59 | | 50.00 | ug/L | 107% | | 70-130 | 1 |
| Toluene-d8 | 49.04 | | 50.00 | ug/L | 98% | | 70-130 | 1 |
| Bromofluorobenzene | 50.70 | | 50.00 | ug/L | 101% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1251218 | Batch: | 369514 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531549-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1251218 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 16.34 | ND | 20.00 | ug/L | 82% | | 70-130 | 3 | 30 | 1 |
| MTBE | 20.21 | ND | 20.00 | ug/L | 101% | | 75-130 | 13 | 30 | 1 |
| Benzene | 18.04 | 1.061 | 20.00 | ug/L | 85% | | 70-130 | 5 | 30 | 1 |
| Trichloroethene | 17.85 | ND | 20.00 | ug/L | 89% | | 63-130 | 3 | 30 | 1 |
| Toluene | 16.73 | ND | 20.00 | ug/L | 84% | | 70-130 | 4 | 30 | 1 |
| Chlorobenzene | 17.84 | 1.039 | 20.00 | ug/L | 84% | | 70-130 | 4 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 49.15 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 53.07 | | 50.00 | ug/L | 106% | | 70-130 | | | 1 |
| Toluene-d8 | 49.39 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |
| Bromofluorobenzene | 51.66 | | 50.00 | ug/L | 103% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1252036 | Batch: | 369774 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252036 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 04/25/25 | 04/26/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 04/25/25 | 04/26/25 |

| Type: | Lab Control Sample | Lab ID: | QC1252038 | Batch: | 369774 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252038 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.756 | 10.00 | ug/L | 88% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.867 | 10.00 | ug/L | 99% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1252039 | Batch: | 369774 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252039 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.890 | 10.00 | ug/L | 89% | | 80-120 | 2 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.08 | 10.00 | ug/L | 101% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1251896 | Batch: | 369733 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1251896 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 04/25/25 | 04/25/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1251897 **Batch:** 369733
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1251897 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.100 | 1.000 | mg/L | 110% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1251898 **Batch:** 369733
**Matrix (Source ID):** Water (531641-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1251898 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.100 | ND | 1.000 | mg/L | 110% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1251899 **Batch:** 369733
**Matrix (Source ID):** Water (531641-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1251899 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.100 | ND | 1.000 | mg/L | 110% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1251654 **Batch:** 369669
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1251654 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 04/24/25 | 04/24/25 |

**Type:** Lab Control Sample **Lab ID:** QC1251655 **Batch:** 369669
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1251655 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 23.40 | 25.00 | mg/L | 94% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1251656 **Batch:** 369669
**Matrix (Source ID):** Water (531225-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1251656 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.16 | 2.469 | 25.00 | mg/L | 103% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1251657 **Batch:** 369669
**Matrix (Source ID):** Water (531225-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1251657 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.49 | 2.469 | 25.00 | mg/L | 104% | | 75-125 | 1 | 25 | 1 |

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# Batch QC

**Type: Blank** **Lab ID: QC1252245** **Batch: 369830**
**Matrix: Water** **Method: SM2320B** **Prep Method: METHOD**

| QC1252245 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 04/26/25 | 04/26/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 04/26/25 | 04/26/25 |

**Type: Lab Control Sample** **Lab ID: QC1252246** **Batch: 369830**
**Matrix: Water** **Method: SM2320B** **Prep Method: METHOD**

| QC1252246 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 984.0 | 1000 | mg/L | 98% | | 90-110 |

**Type: Sample Duplicate** **Lab ID: QC1252499** **Batch: 369830**
**Matrix (Source ID): Drinking Water (531630-001)** **Method: SM2320B** **Prep Method: METHOD**

| QC1252499 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 71.14 | 72.49 | mg/L | | 2 | 20 | 1 |
| Alkalinity, Total as CaCO3 | 80.81 | 82.16 | mg/L | | 2 | 20 | 1 |

**Type: Blank** **Lab ID: QC1251332** **Batch: 369571**
**Matrix: Water** **Method: SM2540C** **Prep Method: METHOD**

| QC1251332 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 5.0 | | 04/23/25 | 04/24/25 |

**Type: Lab Control Sample** **Lab ID: QC1251333** **Batch: 369571**
**Matrix: Water** **Method: SM2540C** **Prep Method: METHOD**

| QC1251333 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,001 | 1000 | mg/L | 100% | | 90-110 |

**Type: Sample Duplicate** **Lab ID: QC1251334** **Batch: 369571**
**Matrix (Source ID): Water (531581-001)** **Method: SM2540C** **Prep Method: METHOD**

| QC1251334 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,944 | 1904 | mg/L | | 2 | 5 | 2 |

**Type: Sample Duplicate** **Lab ID: QC1251335** **Batch: 369571**
**Matrix (Source ID): Water (531581-011)** **Method: SM2540C** **Prep Method: METHOD**

| QC1251335 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 6,116 | 5836 | mg/L | | 5 | 5 | 4 |

# Batch QC

ND Not Detected
NM Not Meaningful

**Laboratory Job Number 531579**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2504K65

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-531579

**Project Location:**
**Project Received:** 04/25/2025

Analytical Report reviewed & approved for release on 04/29/2025 by:

Jennifer Lagerbom
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

McCampbell Analytical, Inc.
*"When Quality Counts"*

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504K65

**Project:** EO-531579

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504K65

**Project:** EO-531579

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504K65 |
| **Date Received:** | 04/25/2025 9:51 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 04/28/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-531579 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-28 | 2504K65-001A | Water | 04/22/2025 08:37 | GC26 0428250905.D | 316352 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1100** | 50 | 50 | 1 | 04/28/2025 11:00 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-8 | 2504K65-002A | Water | 04/22/2025 10:10 | GC26 0428250908.D | 316352 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **31,000** | 2000 | 2000 | 40 | 04/28/2025 11:58 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-9 | 2504K65-003A | Water | 04/22/2025 11:32 | GC26 0428250910.D | 316352 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1100** | 50 | 50 | 1 | 04/28/2025 13:27 |

Analyst(s): CLO

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504K65 |
| **Date Received:** | 04/25/2025 9:51 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 04/28/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-531579 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-29 | 2504K65-004A | Water | 04/22/2025 12:38 | GC26 0428250913.D | 316352 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **9800** | 500 | 500 | 10 | 04/28/2025 14:07 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504K65 |
| **Date Prepared:** | 04/28/2025 | **BatchID:** | 316352 |
| **Date Analyzed:** | 04/28/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-531579 | **Sample ID:** | MB/LCS/LCSD-316352 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 150 | 187.2 | 75 | 78 | 70-130 | 5.00 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2504K65** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531579

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 2 days;**

*Date Received:* **04/25/2025**
*Date Logged:* **04/25/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2504K65-001 | DW-28 | Water | 4/22/2025 08:37 | ☐ | A | A | | | | | | | | | | |
| 2504K65-002 | DW-8 | Water | 4/22/2025 10:10 | ☐ | A | A | | | | | | | | | | |
| 2504K65-003 | DW-9 | Water | 4/22/2025 11:32 | ☐ | A | A | | | | | | | | | | |
| 2504K65-004 | DW-29 | Water | 4/22/2025 12:38 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Agustina Venegas**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-531579 **Work Order:** 2504K65
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 4/25/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-28 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/22/2025 8:37 | 2 days | 4/29/2025 | Present | ☐ | ☐ |
| 002A | DW-8 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/22/2025 10:10 | 2 days | 4/29/2025 | Present | ☐ | ☐ |
| 003A | DW-9 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/22/2025 11:32 | 2 days | 4/29/2025 | Present | ☐ | ☐ |
| 004A | DW-29 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/22/2025 12:38 | 2 days | 4/29/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2504K65

**HOLD TIME RUSH**

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-531579
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-28 | 22-APR-2025 08:37 | 531579-001 | 2 | Water | RSK-175 CO2 | |
| DW-8 | 22-APR-2025 10:10 | 531579-002 | 2 | Water | RSK-175 CO2 | |
| DW-9 | 22-APR-2025 11:32 | 531579-003 | 2 | Water | RSK-175 CO2 | |
| DW-29 | 22-APR-2025 12:38 | 531579-004 | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Quintana EA-ORA | |
| | Date: 4/24/25 1610 | Date: 4/25/25 0951 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

D. Sciuca IR33

1 of 1
GSO: 562932044

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# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-531579

Date and Time Received: 4/25/2025 09:51
Date Logged: 4/25/2025
Received by: Agustina Venegas
Logged by: Agustina Venegas

WorkOrder №: 2504K65 Matrix: Water
Carrier: Golden State Overnight

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☐ | No | ☑ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.8°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531645
Report Level : II
Report Date : 05/08/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill / Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 531645<br>GW MONITORING<br>Chiquita Canyon Landfill / Quarterly MPars<br>04/23/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-12 | 531645-001 | 04/23/25 08:47 | Water |
| DW-7 | 531645-002 | 04/23/25 09:44 | Water |
| DW-18 | 531645-003 | 04/23/25 10:43 | Water |
| DW-21 | 531645-004 | 04/23/25 11:27 | Water |
| PZ-4 | 531645-005 | 04/23/25 12:50 | Water |
| QCFB | 531645-006 | 04/23/25 12:53 | Water |
| QCTB | 531645-007 | 04/23/25 00:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 531645<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill / Quarterly MPars<br>Date Received: 04/23/25 |

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 04/24/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recoveries were observed for a number of analytes in the MS/MSD for batch 369946; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- 1,2,4-trimethylbenzene was detected between the MDL and the RL in the method blank for batch 369946; this analyte was not detected in samples at or above the RL.
- DW-12 (lab # 531645-001) had pH greater than 2.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for sulfate in the MS/MSD for batch 369667 and the MS/MSD of PZ-4 (lab # 531645-005); affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 531645

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** 3.1 | 3.1 IR | J 10.0 (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

**Test Instructions / Comments**

**Quarterly MPars**

**cc report to:**
**pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-12 | 4/23/25 | 847 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-7 | " | 944 | " | " | " | X | X | X | X | X | X | X | X | X |
| 3 | DW-18 | " | 1043 | " | " | " | X | X | X | X | X | X | X | X | X |
| 4 | DW-21 | " | 1127 | " | " | " | X | X | X | X | X | X | X | X | X |
| 5 | PZ-4 | " | 1250 | " | " | " | X | X | X | X | X | X | X | X | X |
| 6 | QCFB | " | 1253 | " | 3 | " | X | | | | | | | | |
| 7 | QCTB | — | — | " | 2 | " | X | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Login 531645

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 4/23/25 1:59 |
| [1] Received By: | | Alice Tahmasian | EA/NH | 4/23/25 1:59 |
| [2] Relinquished By: | | Alice Tahmasian | EA/NH | 4/24/25 8:40 |
| [2] Received By: | | GEMA O. | EA/NH | 4.24.25 8:40 |
| [3] Relinquished By: | | GEMA O. | EA/NH | 4.24.25 11:17 |
| [3] Received By: | | Irene Padilla | EA | 4-24-25 11:43 |

Received 4/24/25 1215 Received NCM EA 4/24/25 12:15

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 4/23/25 WO# _____ Client: Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☒ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/23/25 By (initials) AXT Type of ice used: ☐ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7°C

Cooler Temp (°C) #1: 6.3/5.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 4/24/25 WO# 531645 Client: Waste Management

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/23/25 By (initials) DEP Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 13 CF: 0.0

Cooler Temp (°C) #1: 3.1 / _____ #2: _____ / _____ #3: _____ / _____ #4: _____ / _____ #5: _____ / _____ #6: _____ / _____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | | ✓ | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | X | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 4/23/25 **By (print)** ABD **(sign)** ABD

**Date Labeled** 4/24/25 **By (print)** orange EA **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 531645

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531645
Project No: GW MONITORING
Location: Chiquita Canyon Landfill / Quarterly MPars
Date Received: 04/23/25

**Sample ID: DW-12** **Lab ID: 531645-001** **Collected: 04/23/25 08:47**
**Matrix: Water**

| 531645-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.52** | | mg/L | 0.20 | 0.073 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 20:25 | AJL |
| Chloride | **190** | | mg/L | 1.0 | 0.27 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 20:25 | AJL |
| Bromide | **0.70** | | mg/L | 0.30 | 0.060 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 20:25 | AJL |
| Nitrogen, Nitrate | **3.5** | | mg/L | 0.10 | 0.05 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 20:25 | AJL |
| Sulfate | **300** | | mg/L | 10 | 1.8 | 10 | 369667 | 04/24/25 16:00 | 04/24/25 20:41 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 369796 | 04/26/25 | 04/28/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 369882 | 04/28/25 | 04/28/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.20** | | mg/L | 0.050 | 0.0062 | 1 | 369811 | 04/26/25 | 04/29/25 | KCD |
| Calcium | **23** | | mg/L | 0.57 | 0.57 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Magnesium | **2.8** | | mg/L | 0.10 | 0.025 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Potassium | **1.6** | | mg/L | 0.50 | 0.40 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Sodium | **280** | | mg/L | 0.50 | 0.34 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531645

| 531645-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 101% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531645

| 531645-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 110% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Toluene-d8 | 97% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369874 | 04/28/25 | 04/28/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.2** | | mg/L | 1.0 | 0.68 | 1 | 369964 | 04/29/25 | 04/30/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **160** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **160** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **960** | | mg/L | 20 | | 2 | 369680 | 04/24/25 | 04/27/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531645

| Sample ID: DW-7 | Lab ID: 531645-002 | Collected: 04/23/25 09:44 |
|---|---|---|
| | Matrix: Water | |

| 531645-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.14** | J | mg/L | 0.20 | 0.073 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 20:58 | AJL |
| Chloride | **81** | | mg/L | 1.0 | 0.27 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 20:58 | AJL |
| Bromide | **0.17** | J | mg/L | 0.30 | 0.060 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 20:58 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 20:58 | AJL |
| Sulfate | **630** | | mg/L | 10 | 1.8 | 10 | 369667 | 04/24/25 16:00 | 04/24/25 21:15 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 369796 | 04/26/25 | 04/28/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 369882 | 04/28/25 | 04/28/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.17** | | mg/L | 0.050 | 0.0055 | 1 | 369811 | 04/26/25 | 04/29/25 | KCD |
| Calcium | **32** | | mg/L | 0.57 | 0.57 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Magnesium | **1.6** | | mg/L | 0.10 | 0.025 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Potassium | **1.1** | | mg/L | 0.50 | 0.40 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Sodium | **320** | | mg/L | 0.50 | 0.35 | 1 | 369811 | 04/26/25 | 04/29/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531645

| 531645-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 101% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Toluene-d8 | 96% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531645

| 531645-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369874 | 04/28/25 | 04/28/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 369964 | 04/29/25 | 04/29/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **110** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **110** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,200** | | mg/L | 20 | | 2 | 369680 | 04/24/25 | 04/27/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531645

| Sample ID: DW-18 | Lab ID: 531645-003 | Collected: 04/23/25 10:43 |
|---|---|---|
| | Matrix: Water | |

| 531645-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.22** | | mg/L | 0.20 | 0.073 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 21:32 | AJL |
| Chloride | **110** | | mg/L | 1.0 | 0.27 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 21:32 | AJL |
| Bromide | **0.30** | | mg/L | 0.30 | 0.060 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 21:32 | AJL |
| Nitrogen, Nitrate | **2.5** | | mg/L | 0.10 | 0.05 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 21:32 | AJL |
| Sulfate | **330** | | mg/L | 10 | 1.8 | 10 | 369667 | 04/24/25 16:00 | 04/24/25 21:49 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 369796 | 04/26/25 | 04/28/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 369882 | 04/28/25 | 04/28/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.32** | | mg/L | 0.050 | 0.0055 | 1 | 369811 | 04/26/25 | 04/29/25 | KCD |
| Calcium | **23** | | mg/L | 0.57 | 0.57 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Magnesium | **1.9** | | mg/L | 0.10 | 0.025 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Potassium | **1.4** | | mg/L | 0.50 | 0.40 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Sodium | **270** | | mg/L | 0.50 | 0.35 | 1 | 369811 | 04/26/25 | 04/29/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531645

| 531645-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 109% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane-d4 | 85% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene-d8 | 108% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531645

| 531645-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369874 | 04/28/25 | 04/28/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **3.5** | | mg/L | 1.0 | 0.68 | 1 | 369964 | 04/29/25 | 04/29/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **230** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **230** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **970** | | mg/L | 20 | | 2 | 369680 | 04/24/25 | 04/27/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531645

| Sample ID: DW-21 | Lab ID: 531645-004 | Collected: 04/23/25 11:27 |
|---|---|---|
| | Matrix: Water | |

| 531645-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.74** | | mg/L | 0.20 | 0.073 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 22:06 | AJL |
| Chloride | **53** | | mg/L | 1.0 | 0.27 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 22:06 | AJL |
| Bromide | **0.15** | J | mg/L | 0.30 | 0.060 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 22:06 | AJL |
| Nitrogen, Nitrate | **0.10** | | mg/L | 0.10 | 0.05 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 22:06 | AJL |
| Sulfate | **110** | | mg/L | 10 | 1.8 | 10 | 369667 | 04/24/25 16:00 | 04/24/25 22:23 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 369796 | 04/26/25 | 04/28/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 369882 | 04/28/25 | 04/28/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.27** | | mg/L | 0.050 | 0.0055 | 1 | 369811 | 04/26/25 | 04/29/25 | KCD |
| Calcium | **3.5** | | mg/L | 0.57 | 0.57 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Iron | **0.098** | | mg/L | 0.046 | 0.046 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Magnesium | **0.17** | | mg/L | 0.10 | 0.025 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Potassium | **0.45** | J | mg/L | 0.50 | 0.40 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Sodium | **140** | | mg/L | 0.50 | 0.35 | 1 | 369811 | 04/26/25 | 04/29/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531645

| 531645-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane-d4 | 87% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene-d8 | 107% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531645

| 531645-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369874 | 04/28/25 | 04/28/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 369964 | 04/29/25 | 04/29/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **97** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **140** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **470** | | mg/L | 20 | | 2 | 369680 | 04/24/25 | 04/27/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531645

| Sample ID: PZ-4 | Lab ID: 531645-005 | Collected: 04/23/25 12:50 |
|---|---|---|
| | Matrix: Water | |

| 531645-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.51** | | mg/L | 0.20 | 0.073 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 22:39 | AJL |
| Chloride | **57** | | mg/L | 1.0 | 0.27 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 22:39 | AJL |
| Bromide | **0.14** | J | mg/L | 0.30 | 0.060 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 22:39 | AJL |
| Nitrogen, Nitrate | **1.1** | | mg/L | 0.10 | 0.05 | 1 | 369667 | 04/24/25 16:00 | 04/24/25 22:39 | AJL |
| Sulfate | **130** | | mg/L | 10 | 1.8 | 10 | 369667 | 04/24/25 16:00 | 04/24/25 22:56 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 369796 | 04/26/25 | 04/28/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **11** | | mg/L | 4.0 | 2.0 | 1 | 369882 | 04/28/25 | 04/28/25 | DXA |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.32** | | mg/L | 0.050 | 0.0055 | 1 | 369811 | 04/26/25 | 04/29/25 | KCD |
| Calcium | **50** | | mg/L | 0.57 | 0.57 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Magnesium | **9.7** | | mg/L | 0.10 | 0.025 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Potassium | **2.1** | | mg/L | 0.50 | 0.40 | 1 | 369811 | 04/26/25 | 04/27/25 | KCD |
| Sodium | **180** | | mg/L | 0.50 | 0.35 | 1 | 369811 | 04/26/25 | 04/29/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 12 | **0.4** | J | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531645

| 531645-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane-d4 | 88% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene-d8 | 107% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531645

| 531645-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369874 | 04/28/25 | 04/28/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **4.9** | | mg/L | 1.0 | 0.68 | 1 | 369964 | 04/29/25 | 04/29/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **380** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Alkalinity, Total as CaCO3 | **380** | | mg/L | 5.0 | | 2.5 | 369830 | 04/26/25 | 04/26/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **730** | | mg/L | 20 | | 2 | 369680 | 04/24/25 | 04/27/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531645

| Sample ID: QCFB | Lab ID: 531645-006 | Collected: 04/23/25 12:53 |
|---|---|---|
| | Matrix: Water | |

| 531645-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Methylene Chloride | **7.1** | | ug/L | 5.0 | 3.5 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloroform | **0.8** | J | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 531645

| 531645-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 100% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichloroethane-d4 | 110% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 531645

| Sample ID: QCTB | Lab ID: 531645-007 | Collected: 04/23/25 |
|---|---|---|
| | Matrix: Water | |

| 531645-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 531645

| 531645-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | TCN |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1251661 | Batch: 369667 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1251661 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 04/24/25 16:00 | 04/24/25 17:03 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 04/24/25 16:00 | 04/24/25 17:03 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 04/24/25 16:00 | 04/24/25 17:03 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 04/24/25 16:00 | 04/24/25 17:03 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 04/24/25 16:00 | 04/24/25 17:03 |

| Type: Lab Control Sample | Lab ID: QC1251662 | Batch: 369667 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1251662 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.010 | 10.00 | mg/L | 90% | | 90-110 |
| Chloride | 46.71 | 50.00 | mg/L | 93% | | 90-110 |
| Bromide | 14.70 | 15.00 | mg/L | 98% | | 90-110 |
| Nitrogen, Nitrate | 4.370 | 4.518 | mg/L | 97% | | 90-110 |
| Sulfate | 24.41 | 25.00 | mg/L | 98% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1251663 | Batch: 369667 |
|---|---|---|
| Matrix (Source ID): Water (531663-001) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1251663 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.65 | 0.2736 | 20.00 | mg/L | 97% | | 80-120 | 1 |
| Chloride | 136.8 | 32.22 | 100.0 | mg/L | 105% | | 80-120 | 1 |
| Bromide | 15.20 | 0.1924 | 15.00 | mg/L | 100% | | 80-120 | 1 |
| Nitrogen, Nitrate | 10.07 | 0.8619 | 9.036 | mg/L | 102% | | 80-120 | 1 |
| Sulfate | 101.7 | 53.39 | 50.00 | mg/L | 97% | E | 80-120 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1251664 | Batch: 369667 |
|---|---|---|
| Matrix (Source ID): Water (531663-001) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1251664 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.57 | 0.2736 | 20.00 | mg/L | 96% | | 80-120 | 0 | 20 | 1 |
| Chloride | 136.2 | 32.22 | 100.0 | mg/L | 104% | | 80-120 | 0 | 20 | 1 |
| Bromide | 15.12 | 0.1924 | 15.00 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 10.02 | 0.8619 | 9.036 | mg/L | 101% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 101.6 | 53.39 | 50.00 | mg/L | 96% | E | 80-120 | | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1251665 | Batch: | 369667 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-005) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1251665 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.38 | 0.5097 | 20.00 | mg/L | 94% | | 80-120 | 1 |
| Chloride | 155.8 | 57.44 | 100.0 | mg/L | 98% | | 80-120 | 1 |
| Bromide | 14.44 | 0.1405 | 15.00 | mg/L | 95% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.896 | 1.138 | 9.036 | mg/L | 97% | | 80-120 | 1 |
| Sulfate | 165.4 | 125.2 | 50.00 | mg/L | 80% | E | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1251666 | Batch: | 369667 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-005) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1251666 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.31 | 0.5097 | 20.00 | mg/L | 94% | | 80-120 | 0 | 20 | 1 |
| Chloride | 155.7 | 57.44 | 100.0 | mg/L | 98% | | 80-120 | 0 | 20 | 1 |
| Bromide | 14.43 | 0.1405 | 15.00 | mg/L | 95% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 9.896 | 1.138 | 9.036 | mg/L | 97% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 165.3 | 125.2 | 50.00 | mg/L | 80% | E | 80-120 | | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1252112 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252112 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9015 | 1.000 | mg/L | 90% | | 90-110 |

| Type: | Blank | Lab ID: | QC1252113 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252113 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 04/26/25 | 04/28/25 |

| Type: | Matrix Spike | Lab ID: | QC1252165 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252165 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9785 | ND | 1.000 | mg/L | 98% | | 90-110 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252166 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252166 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9414 | ND | 1.000 | mg/L | 94% | | 90-110 | 4 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1252167 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-003) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252167 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9820 | ND | 1.000 | mg/L | 98% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252168 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-003) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252168 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9592 | ND | 1.000 | mg/L | 96% | | 90-110 | 2 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1252437 | Batch: | 369882 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1252437 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 04/28/25 | 04/28/25 |

| Type: | Lab Control Sample | Lab ID: | QC1252438 | Batch: | 369882 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1252438 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 100.0 | 100.0 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1252439 | Batch: | 369882 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531407-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1252439 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 128.0 | 12.00 | 100.0 | mg/L | 116% | | 75-125 | 2 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1252440** | **Batch:** | **369882** |
| **Matrix (Source ID):** | **Water (531407-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1252440 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 126.0 | 12.00 | 100.0 | mg/L | 114% | | 75-125 | 2 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1252441** | **Batch:** | **369882** |
| **Matrix (Source ID):** | **Water (531446-002)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1252441 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 118.0 | 16.00 | 100.0 | mg/L | 102% | | 75-125 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1252442** | **Batch:** | **369882** |
| **Matrix (Source ID):** | **Water (531446-002)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1252442 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 126.0 | 16.00 | 100.0 | mg/L | 110% | | 75-125 | 7 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1252180** | **Batch:** | **369811** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1252180 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0062 | 04/26/25 | 04/29/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 04/26/25 | 04/27/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 04/26/25 | 04/27/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 04/26/25 | 04/27/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 04/26/25 | 04/27/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 04/26/25 | 04/27/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 04/26/25 | 04/27/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1252181** | **Batch:** | **369811** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1252181 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3383 | 0.4000 | mg/L | 85% | | 80-120 |
| Calcium | 18.30 | 20.40 | mg/L | 90% | | 80-120 |
| Iron | 0.3655 | 0.4000 | mg/L | 91% | | 80-120 |
| Magnesium | 18.31 | 20.40 | mg/L | 90% | | 80-120 |
| Manganese | 0.3609 | 0.4000 | mg/L | 90% | | 80-120 |
| Potassium | 20.54 | 24.00 | mg/L | 86% | | 80-120 |
| Sodium | 18.31 | 20.40 | mg/L | 90% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1252182 | Batch: | 369811 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252182 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.5873 | 0.2013 | 0.4000 | mg/L | 97% | | 75-125 | 1 |
| Calcium | 41.51 | 23.23 | 20.40 | mg/L | 90% | | 75-125 | 1 |
| Iron | 0.3637 | ND | 0.4000 | mg/L | 91% | | 75-125 | 1 |
| Magnesium | 21.34 | 2.839 | 20.40 | mg/L | 91% | | 75-125 | 1 |
| Manganese | 0.3594 | ND | 0.4000 | mg/L | 90% | | 75-125 | 1 |
| Potassium | 23.50 | 1.626 | 24.00 | mg/L | 91% | | 75-125 | 1 |
| Sodium | 294.3 | 284.3 | 20.40 | mg/L | 49% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252183 | Batch: | 369811 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252183 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.5860 | 0.2013 | 0.4000 | mg/L | 96% | | 75-125 | 0 | 20 | 1 |
| Calcium | 41.08 | 23.23 | 20.40 | mg/L | 88% | | 75-125 | 1 | 20 | 1 |
| Iron | 0.3622 | ND | 0.4000 | mg/L | 91% | | 75-125 | 0 | 20 | 1 |
| Magnesium | 21.04 | 2.839 | 20.40 | mg/L | 89% | | 75-125 | 1 | 20 | 1 |
| Manganese | 0.3585 | ND | 0.4000 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Potassium | 23.20 | 1.626 | 24.00 | mg/L | 90% | | 75-125 | 1 | 20 | 1 |
| Sodium | 292.6 | 284.3 | 20.40 | mg/L | 41% | NM | 75-125 | 1 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1252617 | Batch: | 369811 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252617 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.2220 | 0.2013 | mg/L | J | | | 5 |
| Calcium | 24.14 | 23.23 | mg/L | | | | 5 |
| Iron | ND | ND | mg/L | | | | 5 |
| Magnesium | 3.011 | 2.839 | mg/L | | | | 5 |
| Manganese | ND | ND | mg/L | | | | 5 |
| Potassium | ND | 1.626 | mg/L | | | | 5 |
| Sodium | 281.3 | 284.3 | mg/L | | | | 5 |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1252393 | **Batch:** 369868 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1252393 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 04/28/25 | 04/28/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 04/28/25 | 04/28/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 04/28/25 | 04/28/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 04/28/25 | 04/28/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Acetone | ND | | ug/L | 100 | 17 | 04/28/25 | 04/28/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 04/28/25 | 04/28/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 04/28/25 | 04/28/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 04/28/25 | 04/28/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 04/28/25 | 04/28/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 04/28/25 | 04/28/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 04/28/25 | 04/28/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |

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# Batch QC

| QC1252393 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 04/28/25 | 04/28/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 04/28/25 | 04/28/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 04/28/25 | 04/28/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 04/28/25 | 04/28/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 04/28/25 | 04/28/25 |
| 1,2-Dichloroethane-d4 | 108% | | %REC | 70-130 | | 04/28/25 | 04/28/25 |
| Toluene-d8 | 97% | | %REC | 70-130 | | 04/28/25 | 04/28/25 |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 04/28/25 | 04/28/25 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1252394 | **Batch:** 369868 |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B |

| QC1252394 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 56.95 | 50.00 | ug/L | 114% | | 70-135 |
| MTBE | 54.06 | 50.00 | ug/L | 108% | | 70-130 |
| Benzene | 49.46 | 50.00 | ug/L | 99% | | 70-130 |
| Trichloroethene | 49.02 | 50.00 | ug/L | 98% | | 70-130 |
| Toluene | 47.89 | 50.00 | ug/L | 96% | | 70-130 |
| Chlorobenzene | 46.33 | 50.00 | ug/L | 93% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 49.93 | 50.00 | ug/L | 100% | | 70-130 |
| 1,2-Dichloroethane-d4 | 51.92 | 50.00 | ug/L | 104% | | 70-130 |
| Toluene-d8 | 49.76 | 50.00 | ug/L | 100% | | 70-130 |
| Bromofluorobenzene | 51.85 | 50.00 | ug/L | 104% | | 70-130 |

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# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1252395 | Batch: | 369868 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252395 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 51.50 | 50.00 | ug/L | 103% | | 70-135 | 10 | 30 |
| MTBE | 56.26 | 50.00 | ug/L | 113% | | 70-130 | 4 | 30 |
| Benzene | 49.07 | 50.00 | ug/L | 98% | | 70-130 | 1 | 30 |
| Trichloroethene | 48.35 | 50.00 | ug/L | 97% | | 70-130 | 1 | 30 |
| Toluene | 47.25 | 50.00 | ug/L | 95% | | 70-130 | 1 | 30 |
| Chlorobenzene | 45.48 | 50.00 | ug/L | 91% | | 70-130 | 2 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 49.30 | 50.00 | ug/L | 99% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 52.17 | 50.00 | ug/L | 104% | | 70-130 | | |
| Toluene-d8 | 49.52 | 50.00 | ug/L | 99% | | 70-130 | | |
| Bromofluorobenzene | 51.69 | 50.00 | ug/L | 103% | | 70-130 | | |

| Type: | Matrix Spike | Lab ID: | QC1252443 | Batch: | 369868 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252443 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 16.58 | ND | 20.00 | ug/L | 83% | | 70-130 | 1 |
| MTBE | 16.76 | ND | 20.00 | ug/L | 84% | | 75-130 | 1 |
| Benzene | 16.14 | ND | 20.00 | ug/L | 81% | | 70-130 | 1 |
| Trichloroethene | 17.33 | ND | 20.00 | ug/L | 87% | | 63-130 | 1 |
| Toluene | 16.46 | ND | 20.00 | ug/L | 82% | | 70-130 | 1 |
| Chlorobenzene | 16.17 | ND | 20.00 | ug/L | 81% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 44.94 | | 50.00 | ug/L | 90% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 48.75 | | 50.00 | ug/L | 97% | | 70-130 | 1 |
| Toluene-d8 | 50.89 | | 50.00 | ug/L | 102% | | 70-130 | 1 |
| Bromofluorobenzene | 50.68 | | 50.00 | ug/L | 101% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252444 | Batch: | 369868 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252444 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 16.47 | ND | 20.00 | ug/L | 82% | | 70-130 | 1 | 30 | 1 |
| MTBE | 17.28 | ND | 20.00 | ug/L | 86% | | 75-130 | 3 | 30 | 1 |
| Benzene | 17.14 | ND | 20.00 | ug/L | 86% | | 70-130 | 6 | 30 | 1 |
| Trichloroethene | 17.92 | ND | 20.00 | ug/L | 90% | | 63-130 | 3 | 30 | 1 |
| Toluene | 16.46 | ND | 20.00 | ug/L | 82% | | 70-130 | 0 | 30 | 1 |
| Chlorobenzene | 16.39 | ND | 20.00 | ug/L | 82% | | 70-130 | 1 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 48.35 | | 50.00 | ug/L | 97% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 55.51 | | 50.00 | ug/L | 111% | | 70-130 | | | 1 |
| Toluene-d8 | 48.77 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Bromofluorobenzene | 51.58 | | 50.00 | ug/L | 103% | | 70-130 | | | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1252682 | Batch: | 369946 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252682 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 40.10 | 50.00 | ug/L | 80% | | 70-135 |
| MTBE | 43.98 | 50.00 | ug/L | 88% | | 70-130 |
| Benzene | 43.70 | 50.00 | ug/L | 87% | | 70-130 |
| Trichloroethene | 52.17 | 50.00 | ug/L | 104% | | 70-130 |
| Toluene | 49.44 | 50.00 | ug/L | 99% | | 70-130 |
| Chlorobenzene | 52.25 | 50.00 | ug/L | 104% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 54.76 | 50.00 | ug/L | 110% | | 70-130 |
| 1,2-Dichloroethane-d4 | 42.68 | 50.00 | ug/L | 85% | | 70-130 |
| Toluene-d8 | 54.03 | 50.00 | ug/L | 108% | | 70-130 |
| Bromofluorobenzene | 48.75 | 50.00 | ug/L | 97% | | 70-130 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1252683 | Batch: | 369946 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252683 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 40.58 | 50.00 | ug/L | 81% | | 70-135 | 1 | 30 |
| MTBE | 44.81 | 50.00 | ug/L | 90% | | 70-130 | 2 | 30 |
| Benzene | 43.27 | 50.00 | ug/L | 87% | | 70-130 | 1 | 30 |
| Trichloroethene | 52.18 | 50.00 | ug/L | 104% | | 70-130 | 0 | 30 |
| Toluene | 48.74 | 50.00 | ug/L | 97% | | 70-130 | 1 | 30 |
| Chlorobenzene | 51.43 | 50.00 | ug/L | 103% | | 70-130 | 2 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 55.05 | 50.00 | ug/L | 110% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 42.38 | 50.00 | ug/L | 85% | | 70-130 | | |
| Toluene-d8 | 52.93 | 50.00 | ug/L | 106% | | 70-130 | | |
| Bromofluorobenzene | 47.57 | 50.00 | ug/L | 95% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1252687 | **Batch:** 369946 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1252687 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 04/29/25 | 04/29/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 04/29/25 | 04/29/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 04/29/25 | 04/29/25 |
| Acetone | ND | | ug/L | 100 | 21 | 04/29/25 | 04/29/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 04/29/25 | 04/29/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 04/29/25 | 04/29/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 04/29/25 | 04/29/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 04/29/25 | 04/29/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 04/29/25 | 04/29/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 04/29/25 | 04/29/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 04/29/25 | 04/29/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 04/29/25 | 04/29/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 04/29/25 | 04/29/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 04/29/25 | 04/29/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 04/29/25 | 04/29/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 04/29/25 | 04/29/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 04/29/25 | 04/29/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |

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# Batch QC

| QC1252687 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,2,4-Trimethylbenzene | 0.2 | J | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 04/29/25 | 04/29/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 04/29/25 | 04/29/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 04/29/25 | 04/29/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 04/29/25 | 04/29/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 04/29/25 | 04/29/25 |
| 1,2-Dichloroethane-d4 | 85% | | %REC | 70-130 | | 04/29/25 | 04/29/25 |
| Toluene-d8 | 109% | | %REC | 70-130 | | 04/29/25 | 04/29/25 |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 04/29/25 | 04/29/25 |

**Type:** Matrix Spike **Lab ID:** QC1252764 **Batch:** 369946
**Matrix (Source ID):** Water (531477-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1252764 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 106.3 | ND | 200.0 | ug/L | 53% | * | 70-130 | 10 |
| MTBE | 112.0 | ND | 200.0 | ug/L | 56% | * | 75-130 | 10 |
| Benzene | 117.9 | ND | 200.0 | ug/L | 59% | * | 70-130 | 10 |
| Trichloroethene | 153.3 | ND | 200.0 | ug/L | 77% | | 63-130 | 10 |
| Toluene | 140.0 | ND | 200.0 | ug/L | 70% | | 70-130 | 10 |
| Chlorobenzene | 171.2 | 32.82 | 200.0 | ug/L | 69% | * | 70-130 | 10 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 536.6 | | 500.0 | ug/L | 107% | | 70-130 | 10 |
| 1,2-Dichloroethane-d4 | 415.9 | | 500.0 | ug/L | 83% | | 70-130 | 10 |
| Toluene-d8 | 540.1 | | 500.0 | ug/L | 108% | | 70-130 | 10 |
| Bromofluorobenzene | 488.8 | | 500.0 | ug/L | 98% | | 70-130 | 10 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252765 | Batch: | 369946 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531477-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252765 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 109.5 | ND | 200.0 | ug/L | 55% | * | 70-130 | 3 | 30 | 10 |
| MTBE | 117.4 | ND | 200.0 | ug/L | 59% | * | 75-130 | 5 | 30 | 10 |
| Benzene | 123.4 | ND | 200.0 | ug/L | 62% | * | 70-130 | 5 | 30 | 10 |
| Trichloroethene | 162.7 | ND | 200.0 | ug/L | 81% | | 63-130 | 6 | 30 | 10 |
| Toluene | 148.3 | ND | 200.0 | ug/L | 74% | | 70-130 | 6 | 30 | 10 |
| Chlorobenzene | 183.6 | 32.82 | 200.0 | ug/L | 75% | | 70-130 | 7 | 30 | 10 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 541.3 | | 500.0 | ug/L | 108% | | 70-130 | | | 10 |
| 1,2-Dichloroethane-d4 | 405.3 | | 500.0 | ug/L | 81% | | 70-130 | | | 10 |
| Toluene-d8 | 540.8 | | 500.0 | ug/L | 108% | | 70-130 | | | 10 |
| Bromofluorobenzene | 489.3 | | 500.0 | ug/L | 98% | | 70-130 | | | 10 |

| Type: | Blank | Lab ID: | QC1252036 | Batch: | 369774 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252036 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 04/25/25 | 04/26/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 04/25/25 | 04/26/25 |

| Type: | Lab Control Sample | Lab ID: | QC1252038 | Batch: | 369774 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252038 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.756 | 10.00 | ug/L | 88% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.867 | 10.00 | ug/L | 99% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1252039 | Batch: | 369774 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252039 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.890 | 10.00 | ug/L | 89% | | 80-120 | 2 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.08 | 10.00 | ug/L | 101% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1252419 | Batch: | 369874 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1252419 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 04/28/25 | 04/28/25 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1252420 **Batch:** 369874
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1252420 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1252421 **Batch:** 369874
**Matrix (Source ID):** Water (531562-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1252421 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1252422 **Batch:** 369874
**Matrix (Source ID):** Water (531562-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1252422 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1252745 **Batch:** 369964
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1252745 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 04/29/25 | 04/29/25 |

**Type:** Lab Control Sample **Lab ID:** QC1252746 **Batch:** 369964
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1252746 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 24.13 | 25.00 | mg/L | 97% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1252747 **Batch:** 369964
**Matrix (Source ID):** Water (531641-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1252747 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 52.84 | 24.94 | 25.00 | mg/L | 112% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1252748 **Batch:** 369964
**Matrix (Source ID):** Water (531641-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1252748 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 52.08 | 24.94 | 25.00 | mg/L | 109% | | 75-125 | 1 | 25 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1252245 | Batch: 369830 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1252245 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 04/26/25 | 04/26/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 04/26/25 | 04/26/25 |

| Type: Lab Control Sample | Lab ID: QC1252246 | Batch: 369830 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1252246 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 984.0 | 1000 | mg/L | 98% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1252499 | Batch: 369830 |
|---|---|---|
| Matrix (Source ID): Drinking Water (531630-001) | Method: SM2320B | Prep Method: METHOD |

| QC1252499 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 71.14 | 72.49 | mg/L | | 2 | 20 | 1 |
| Alkalinity, Total as CaCO3 | 80.81 | 82.16 | mg/L | | 2 | 20 | 1 |

| Type: Blank | Lab ID: QC1251699 | Batch: 369680 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1251699 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 04/24/25 | 04/27/25 |

| Type: Lab Control Sample | Lab ID: QC1251700 | Batch: 369680 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1251700 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,004 | 1000 | mg/L | 100% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1251701 | Batch: 369680 |
|---|---|---|
| Matrix (Source ID): Water (531729-001) | Method: SM2540C | Prep Method: METHOD |

| QC1251701 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 18,180 | 18460 | mg/L | | 2 | 5 | 20 |

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 531645**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2504K66

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-531645

**Project Location:**
**Project Received:** 04/25/2025

Analytical Report reviewed & approved for release on 04/29/2025 by:

Jennifer Lagerbom
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

McCampbell Analytical, Inc.
*"When Quality Counts"*

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504K66

**Project:** EO-531645

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504K66

**Project:** EO-531645

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504K66 |
| **Date Received:** | 04/25/2025 9:51 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 04/28/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-531645 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-12 | 2504K66-001A | Water | 04/23/2025 08:47 | GC26 0428250914.D | 316352 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1500** | 50 | 50 | 1 | 04/28/2025 14:19 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-7 | 2504K66-002A | Water | 04/23/2025 09:44 | GC26 0428250917.D | 316352 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **930** | 50 | 50 | 1 | 04/28/2025 15:16 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-18 | 2504K66-003A | Water | 04/23/2025 10:43 | GC26 0428250920.D | 316352 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3500** | 200 | 200 | 4 | 04/28/2025 16:00 |

Analyst(s): CLO

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504K66 |
| **Date Received:** | 04/25/2025 9:51 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 04/28/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-531645 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-21 | 2504K66-004A | Water | 04/23/2025 11:27 | GC26 0428250922.D | 316352 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **540** | 50 | 50 | 1 | 04/28/2025 16:36 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| PZ-4 | 2504K66-005A | Water | 04/23/2025 12:50 | GC26 0428250925.D | 316352 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **12,000** | 500 | 500 | 10 | 04/28/2025 17:17 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504K66 |
| **Date Prepared:** | 04/28/2025 | **BatchID:** | 316352 |
| **Date Analyzed:** | 04/28/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-531645 | **Sample ID:** | MB/LCS/LCSD-316352 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 150 | 187.2 | 75 | 78 | 70-130 | 5.00 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2504K66** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531645

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 3 days;**

*Date Received:* **04/25/2025**
*Date Logged:* **04/25/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2504K66-001 | DW-12 | Water | 4/23/2025 08:47 | ☐ | A | A | | | | | | | | | | |
| 2504K66-002 | DW-7 | Water | 4/23/2025 09:44 | ☐ | A | A | | | | | | | | | | |
| 2504K66-003 | DW-18 | Water | 4/23/2025 10:43 | ☐ | A | A | | | | | | | | | | |
| 2504K66-004 | DW-21 | Water | 4/23/2025 11:27 | ☐ | A | A | | | | | | | | | | |
| 2504K66-005 | PZ-4 | Water | 4/23/2025 12:50 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by:**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-531645 **Work Order:** 2504K66
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 4/25/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-12 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/23/2025 8:47 | 3 days | 4/30/2025 | None | ☐ | ☐ |
| 002A | DW-7 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/23/2025 9:44 | 3 days | 4/30/2025 | None | ☐ | ☐ |
| 003A | DW-18 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/23/2025 10:43 | 3 days | 4/30/2025 | None | ☐ | ☐ |
| 004A | DW-21 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/23/2025 11:27 | 3 days | 4/30/2025 | None | ☐ | ☐ |
| 005A | PZ-4 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/23/2025 12:50 | 3 days | 4/30/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2504K646

HOLD TIME RUSH

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-531645
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-12 | 23-APR-2025 08:47 | 531645-001 | 2 | Water | RSK-175 CO2 | |
| DW-7 | 23-APR-2025 09:44 | 531645-002 | 2 | Water | RSK-175 CO2 | |
| DW-18 | 23-APR-2025 10:43 | 531645-003 | 2 | Water | RSK-175 CO2 | |
| DW-21 | 23-APR-2025 11:27 | 531645-004 | 2 | Water | RSK-175 CO2 | |
| PZ-4 | 23-APR-2025 12:50 | 531645-005 | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Quintana EA-ORA | |
| | Date: 4/24/25 1610 | Date: 4/25/25 0951 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

0.8 SCWA IR33

1 of 1

650:5629320 44

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# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-531645

Date and Time Received: 4/25/2025 09:51
Date Logged: 4/25/2025
Received by: Agustina Venegas
Logged by:

WorkOrder №: 2504K66 Matrix: Water
Carrier: Golden State Overnight

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☐ | No | ☑ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.8°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531741
Report Level : II
Report Date : 05/12/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill - Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 531741<br>GW MONITORING<br>Chiquita Canyon Landfill - Quarterly MPars<br>04/24/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-17 | 531741-001 | 04/24/25 08:57 | Water |
| DW-14 | 531741-002 | 04/24/25 10:27 | Water |
| DW-30 | 531741-003 | 04/24/25 11:34 | Water |
| DW-15 | 531741-004 | 04/24/25 12:23 | Water |
| QCFB | 531741-005 | 04/24/25 12:25 | Water |
| QCTB | 531741-006 | 04/24/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 531741<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill - Quarterly MPars<br>Date Received: 04/24/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 04/25/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recoveries were observed for a number of analytes in the MS/MSD for batch 369946; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- 1,2,4-trimethylbenzene was detected between the MDL and the RL in the method blank for batch 369946; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**

- Magnesium was detected between the MDL and the RL in the method blank for batch 369871; this analyte was detected in samples at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

Login 531741

## Chain of Custody Record

Lab No:

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |

**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

## PROJECT INFORMATION

| | | | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-17 | 4/24/25 | 857 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-14 | ↓ | 1027 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 3 | DW-30 | | 1134 | | | | X | X | X | X | X | X | X | X | X |
| 4 | DW-15 | | 1223 | | | | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | ↓ | 1225 | | | | X | | | | | | | | |
| 6 | QCTB | — | — | ↓ | ↓ | ↓ | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

IR11 → (+0.1)

4.9 - 15.0 4.7

4.6 - 4.8 HXD

**Quarterly MPars**

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 4/24/25 1:38 |
| [1] Received By: | | Alice Tahmasian | EA/NH | 4/24/25 1:38 |
| [2] Relinquished By: | | Alice Tahmasian | EA/NH | 4/24/25 0830 PM |
| [2] Received By: | | Hrag B. | EA-NH | 4/25/25 0830 |
| [3] Relinquished By: | | Hrag B. | EA-NH | 4/9/25 1055 |
| [3] Received By: | | | | 4-25-25 1150 |

Wilco RA 4-25-25 1235

## SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 4/24/25 WO# _____ Client: Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/24/25 By (initials) AXT Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: +0.7°C

Cooler Temp (°C) #1: 7.2/6.5° #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 04.24.25 **By (print)** ABD **(sign)** _____

**Date Labeled** 04.25.25 **By (print)** Orange EA **(sign)** _____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**
Date Received: 4/25/25 WO# 531711 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☑ No
Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☑ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 4/25/25 By (initials)_____ Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 11 CF: +0.1
Cooler Temp (°C) #1: 4.9 / 5.0 #2: 4.6 / 4.7 #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | | ✓ | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | | | |
| 7) Does the container count match the CoC? | | ✓ | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | | ✓ | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**
(If no comments are made, then no discrepancies noted.)
4.1/4.7: Container count incorrect for samples -005, -006

☐ **No additional discrepancies**

**Date Logged** 4/24/25 **By (print)** ASP **(sign)** ASP
**Date Labeled** 4/25/25 **By (print)** Orouge EA **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 531741

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531741
Project No: GW MONITORING
Location: Chiquita Canyon Landfill - Quarterly MPars
Date Received: 04/24/25

**Sample ID: DW-17** **Lab ID: 531741-001** **Collected: 04/24/25 08:57**
**Matrix: Water**

| 531741-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.19** | J | mg/L | 0.20 | 0.034 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 17:23 | AJL |
| Chloride | **150** | | mg/L | 1.0 | 0.27 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 17:23 | AJL |
| Bromide | **0.34** | | mg/L | 0.30 | 0.060 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 17:23 | AJL |
| Nitrogen, Nitrate | **1.0** | | mg/L | 0.10 | 0.05 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 17:23 | AJL |
| Sulfate | **180** | | mg/L | 10 | 1.8 | 10 | 369758 | 04/25/25 15:16 | 04/25/25 17:44 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 369796 | 04/26/25 | 04/28/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 370263 | 05/01/25 | 05/01/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.089** | | mg/L | 0.050 | 0.0055 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Calcium | **4.8** | | mg/L | 0.57 | 0.57 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Magnesium | **0.13** | | mg/L | 0.10 | 0.025 | 1 | 370088 | 04/30/25 | 04/30/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Potassium | **0.70** | | mg/L | 0.50 | 0.40 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Sodium | **220** | | mg/L | 0.50 | 0.35 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| 531741-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| 531741-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 89% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene-d8 | 106% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369957 | 04/29/25 | 04/29/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.5** | | mg/L | 1.0 | 0.68 | 1 | 370311 | 05/02/25 | 05/02/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **100** | | mg/L | 5.0 | | 2.5 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Alkalinity, Total as CaCO3 | **150** | | mg/L | 5.0 | | 2.5 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **720** | | mg/L | 20 | | 2 | 369929 | 04/28/25 | 04/29/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| Sample ID: DW-14 | Lab ID: 531741-002 | Collected: 04/24/25 10:27 |
|---|---|---|
| | Matrix: Water | |

| 531741-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.39** | | mg/L | 0.20 | 0.034 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 18:04 | AJL |
| Chloride | **96** | | mg/L | 1.0 | 0.27 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 18:04 | AJL |
| Bromide | **0.13** | J | mg/L | 0.30 | 0.060 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 18:04 | AJL |
| Nitrogen, Nitrate | **0.32** | | mg/L | 0.10 | 0.05 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 18:04 | AJL |
| Sulfate | **30** | | mg/L | 1.0 | 0.18 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 18:04 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 369796 | 04/26/25 | 04/28/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 370263 | 05/01/25 | 05/01/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.12** | | mg/L | 0.050 | 0.0055 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Calcium | **2.6** | | mg/L | 0.57 | 0.57 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Iron | **0.29** | | mg/L | 0.046 | 0.046 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Magnesium | **0.20** | | mg/L | 0.10 | 0.025 | 1 | 370088 | 04/30/25 | 04/30/25 | SBW |
| Manganese | **0.0030** | J | mg/L | 0.010 | 0.0029 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Potassium | **0.57** | | mg/L | 0.50 | 0.40 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Sodium | **140** | | mg/L | 0.50 | 0.35 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| 531741-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane-d4 | 87% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene-d8 | 106% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531741

| 531741-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369957 | 04/29/25 | 04/29/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 370311 | 05/02/25 | 05/02/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **160** | | mg/L | 5.0 | | 2.5 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Alkalinity, Total as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **400** | | mg/L | 20 | | 2 | 369929 | 04/28/25 | 04/29/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| Sample ID: DW-30 | Lab ID: 531741-003 | Collected: 04/24/25 11:34 |
|---|---|---|
| | Matrix: Water | |

| 531741-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.88** | | mg/L | 0.20 | 0.034 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 19:47 | AJL |
| Chloride | **59** | | mg/L | 1.0 | 0.27 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 19:47 | AJL |
| Bromide | **0.14** | J | mg/L | 0.30 | 0.060 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 19:47 | AJL |
| Nitrogen, Nitrate | **0.23** | | mg/L | 0.10 | 0.05 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 19:47 | AJL |
| Sulfate | **310** | | mg/L | 10 | 1.8 | 10 | 369758 | 04/25/25 15:16 | 04/25/25 20:48 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 369796 | 04/26/25 | 04/28/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **4.0** | | mg/L | 4.0 | 2.0 | 1 | 370263 | 05/01/25 | 05/01/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.21** | | mg/L | 0.050 | 0.0055 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Calcium | **37** | | mg/L | 0.57 | 0.57 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Iron | **0.24** | | mg/L | 0.046 | 0.046 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Magnesium | **5.8** | | mg/L | 0.10 | 0.025 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Manganese | **0.038** | | mg/L | 0.010 | 0.0029 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Potassium | **1.6** | | mg/L | 0.50 | 0.40 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Sodium | **190** | | mg/L | 0.50 | 0.35 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| 531741-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Tetrachloroethene | **0.4** | J | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane-d4 | 87% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene-d8 | 108% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531741

| 531741-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369957 | 04/29/25 | 04/29/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 370311 | 05/02/25 | 05/02/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Alkalinity, Total as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **810** | | mg/L | 20 | | 2 | 369929 | 04/28/25 | 04/29/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| Sample ID: DW-15 | Lab ID: 531741-004 | Collected: 04/24/25 12:23 |
|---|---|---|
| | Matrix: Water | |

| 531741-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.090** | J | mg/L | 0.20 | 0.034 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 21:09 | AJL |
| Chloride | **75** | | mg/L | 1.0 | 0.27 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 21:09 | AJL |
| Bromide | **0.16** | J | mg/L | 0.30 | 0.060 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 21:09 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 369758 | 04/25/25 15:16 | 04/25/25 21:09 | AJL |
| Sulfate | **1,500** | | mg/L | 20 | 3.7 | 20 | 369758 | 04/25/25 15:16 | 04/25/25 21:29 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.15** | | mg/L | 0.10 | 0.050 | 1 | 369796 | 04/26/25 | 04/28/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **3.0** | J | mg/L | 4.0 | 2.0 | 1 | 370263 | 05/01/25 | 05/01/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.23** | | mg/L | 0.050 | 0.0055 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Calcium | **240** | | mg/L | 0.57 | 0.57 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Iron | **0.93** | | mg/L | 0.046 | 0.046 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Magnesium | **33** | | mg/L | 0.10 | 0.025 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Manganese | **0.62** | | mg/L | 0.010 | 0.0029 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Potassium | **2.7** | | mg/L | 0.50 | 0.40 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Sodium | **400** | | mg/L | 0.50 | 0.35 | 1 | 369871 | 04/28/25 | 04/28/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| 531741-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,4-Dichlorobenzene | **0.2** | J | ug/L | 5.0 | 0.2 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| 1,2-Dichloroethane-d4 | 88% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Toluene-d8 | 106% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 369946 | 04/29/25 | 04/29/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531741

| 531741-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 369774 | 04/25/25 | 04/26/25 | HQN |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369957 | 04/29/25 | 04/29/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **3.9** | | mg/L | 1.0 | 0.68 | 1 | 370311 | 05/02/25 | 05/02/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **210** | | mg/L | 5.0 | | 2.5 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Alkalinity, Total as CaCO3 | **210** | | mg/L | 5.0 | | 2.5 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **2,400** | | mg/L | 20 | | 2 | 369929 | 04/28/25 | 04/29/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| Sample ID: QCFB | Lab ID: 531741-005 | Collected: 04/24/25 12:25 |
|---|---|---|
| | Matrix: Water | |

| 531741-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Methylene Chloride | **5.9** | | ug/L | 5.0 | 3.5 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Chloroform | **0.7** | J | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| 531741-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 100% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| 1,2-Dichloroethane-d4 | 110% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| Sample ID: QCTB | Lab ID: 531741-006 | Collected: 04/24/25 |
|---|---|---|
| | Matrix: Water | |

| 531741-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531741

| 531741-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 369868 | 04/28/25 | 04/28/25 | LYZ |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1251964** | **Batch:** | **369758** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1251964 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.034 | 04/25/25 15:16 | 04/25/25 16:42 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 04/25/25 15:16 | 04/25/25 16:42 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 04/25/25 15:16 | 04/25/25 16:42 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 04/25/25 15:16 | 04/25/25 16:42 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 04/25/25 15:16 | 04/25/25 16:42 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1251965** | **Batch:** | **369758** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1251965 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.333 | 10.00 | mg/L | 93% | | 90-110 |
| Chloride | 47.73 | 50.00 | mg/L | 95% | | 90-110 |
| Bromide | 15.05 | 15.00 | mg/L | 100% | | 90-110 |
| Nitrogen, Nitrate | 4.572 | 4.518 | mg/L | 101% | | 90-110 |
| Sulfate | 24.75 | 25.00 | mg/L | 99% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1251967** | **Batch:** | **369758** |
| **Matrix (Source ID):** | **Water (531761-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1251967 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.55 | 0.3217 | 20.00 | mg/L | 101% | | 80-120 | 1 |
| Chloride | 156.9 | 57.00 | 100.0 | mg/L | 100% | | 80-120 | 1 |
| Bromide | 15.36 | 0.2919 | 15.00 | mg/L | 100% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.207 | ND | 9.036 | mg/L | 102% | | 80-120 | 1 |
| Sulfate | 258.7 | 212.8 | 50.00 | mg/L | 92% | E,NM | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1251968** | **Batch:** | **369758** |
| **Matrix (Source ID):** | **Water (531761-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1251968 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.93 | 0.3217 | 20.00 | mg/L | 103% | | 80-120 | 2 | 20 | 1 |
| Chloride | 158.5 | 57.00 | 100.0 | mg/L | 102% | | 80-120 | 1 | 20 | 1 |
| Bromide | 15.57 | 0.2919 | 15.00 | mg/L | 102% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.337 | ND | 9.036 | mg/L | 103% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 259.7 | 212.8 | 50.00 | mg/L | 94% | E,NM | 80-120 | | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1252000 | Batch: | 369758 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531725-002) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1252000 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.25 | 0.09015 | 20.00 | mg/L | 101% | | 80-120 | 1 |
| Chloride | 114.2 | 9.169 | 100.0 | mg/L | 105% | | 80-120 | 1 |
| Bromide | 15.40 | ND | 15.00 | mg/L | 103% | | 80-120 | 1 |
| Nitrogen, Nitrate | 10.83 | 1.474 | 9.036 | mg/L | 103% | | 80-120 | 1 |
| Sulfate | 62.42 | 11.21 | 50.00 | mg/L | 102% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252001 | Batch: | 369758 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531725-002) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1252001 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.80 | 0.09015 | 20.00 | mg/L | 99% | | 80-120 | 2 | 20 | 1 |
| Chloride | 111.9 | 9.169 | 100.0 | mg/L | 103% | | 80-120 | 2 | 20 | 1 |
| Bromide | 15.09 | ND | 15.00 | mg/L | 101% | | 80-120 | 2 | 20 | 1 |
| Nitrogen, Nitrate | 10.61 | 1.474 | 9.036 | mg/L | 101% | | 80-120 | 2 | 20 | 1 |
| Sulfate | 60.90 | 11.21 | 50.00 | mg/L | 99% | | 80-120 | 2 | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1252112 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252112 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9015 | 1.000 | mg/L | 90% | | 90-110 |

| Type: | Blank | Lab ID: | QC1252113 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252113 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 04/26/25 | 04/28/25 |

| Type: | Matrix Spike | Lab ID: | QC1252165 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252165 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9785 | ND | 1.000 | mg/L | 98% | | 90-110 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252166 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252166 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9414 | ND | 1.000 | mg/L | 94% | | 90-110 | 4 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1252167 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-003) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252167 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9820 | ND | 1.000 | mg/L | 98% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252168 | Batch: | 369796 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-003) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1252168 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9592 | ND | 1.000 | mg/L | 96% | | 90-110 | 2 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1253686 | Batch: | 370263 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1253686 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 05/01/25 | 05/01/25 |

| Type: | Lab Control Sample | Lab ID: | QC1253687 | Batch: | 370263 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1253687 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 99.00 | 100.0 | mg/L | 99% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1253688 | Batch: | 370263 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531741-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1253688 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 94.00 | ND | 100.0 | mg/L | 94% | | 75-125 | 2 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1253689 | Batch: | 370263 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531741-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1253689 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 94.00 | ND | 100.0 | mg/L | 94% | | 75-125 | 0 | 20 | 2 |

| Type: | Matrix Spike | Lab ID: | QC1253690 | Batch: | 370263 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531889-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1253690 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 128.0 | 29.00 | 100.0 | mg/L | 99% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1253691 | Batch: | 370263 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531889-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1253691 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 128.0 | 29.00 | 100.0 | mg/L | 99% | | 75-125 | 0 | 20 | 2 |

| Type: | Blank | Lab ID: | QC1252407 | Batch: | 369871 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252407 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 04/28/25 | 04/28/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 04/28/25 | 04/28/25 |
| Iron | ND | | mg/L | 0.041 | 0.041 | 04/28/25 | 04/28/25 |
| Magnesium | 0.038 | J | mg/L | 0.10 | 0.025 | 04/28/25 | 04/28/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 04/28/25 | 04/28/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 04/28/25 | 04/28/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 04/28/25 | 04/28/25 |

| Type: | Lab Control Sample | Lab ID: | QC1252408 | Batch: | 369871 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252408 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3689 | 0.4000 | mg/L | 92% | | 80-120 |
| Calcium | 19.11 | 20.40 | mg/L | 94% | | 80-120 |
| Iron | 0.3680 | 0.4000 | mg/L | 92% | | 80-120 |
| Magnesium | 19.14 | 20.40 | mg/L | 94% | | 80-120 |
| Manganese | 0.3736 | 0.4000 | mg/L | 93% | | 80-120 |
| Potassium | 21.54 | 24.00 | mg/L | 90% | | 80-120 |
| Sodium | 18.53 | 20.40 | mg/L | 91% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1252409 | Batch: | 369871 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531722-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252409 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 1.378 | 1.012 | 0.4000 | mg/L | 92% | | 75-125 | 1 |
| Calcium | 87.64 | 69.88 | 20.40 | mg/L | 87% | | 75-125 | 1 |
| Iron | 2.968 | 2.643 | 0.4000 | mg/L | 81% | NM | 75-125 | 1 |
| Magnesium | 57.53 | 39.29 | 20.40 | mg/L | 89% | | 75-125 | 1 |
| Manganese | 0.8453 | 0.4825 | 0.4000 | mg/L | 91% | | 75-125 | 1 |
| Potassium | 26.33 | 3.544 | 24.00 | mg/L | 95% | | 75-125 | 1 |
| Sodium | 487.5 | 472.8 | 20.40 | mg/L | 72% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252410 | Batch: | 369871 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531722-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252410 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 1.380 | 1.012 | 0.4000 | mg/L | 92% | | 75-125 | 0 | 20 | 1 |
| Calcium | 87.47 | 69.88 | 20.40 | mg/L | 86% | | 75-125 | 0 | 20 | 1 |
| Iron | 2.969 | 2.643 | 0.4000 | mg/L | 82% | NM | 75-125 | 0 | 20 | 1 |
| Magnesium | 57.25 | 39.29 | 20.40 | mg/L | 88% | | 75-125 | 0 | 20 | 1 |
| Manganese | 0.8426 | 0.4825 | 0.4000 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Potassium | 26.15 | 3.544 | 24.00 | mg/L | 94% | | 75-125 | 1 | 20 | 1 |
| Sodium | 487.1 | 472.8 | 20.40 | mg/L | 70% | NM | 75-125 | 0 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1252556 | Batch: | 369871 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531722-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252556 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 1.047 | 1.012 | mg/L | | | | 5 |
| Calcium | 71.50 | 69.88 | mg/L | | | | 5 |
| Iron | 2.743 | 2.643 | mg/L | | | | 5 |
| Magnesium | 40.02 | 39.29 | mg/L | | | | 5 |
| Manganese | 0.5008 | 0.4825 | mg/L | | | | 5 |
| Potassium | 3.121 | 3.544 | mg/L | | | | 5 |
| Sodium | 491.5 | 472.8 | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1253129 | Batch: | 370088 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1253129 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 04/30/25 | 04/30/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1253130** | **Batch:** | **370088** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1253130 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Magnesium | 18.52 | 20.40 | mg/L | 91% | | 80-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1253131** | **Batch:** | **370088** |
| **Matrix (Source ID):** | **Water (531741-002)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1253131 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Magnesium | 18.59 | 0.1969 | 20.40 | mg/L | 90% | | 75-125 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1253132** | **Batch:** | **370088** |
| **Matrix (Source ID):** | **Water (531741-002)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1253132 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Magnesium | 18.74 | 0.1969 | 20.40 | mg/L | 91% | | 75-125 | 1 | 20 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1252393** | **Batch:** | **369868** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1252393 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 04/28/25 | 04/28/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 04/28/25 | 04/28/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 04/28/25 | 04/28/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 04/28/25 | 04/28/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Acetone | ND | | ug/L | 100 | 17 | 04/28/25 | 04/28/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 04/28/25 | 04/28/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 04/28/25 | 04/28/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 04/28/25 | 04/28/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 04/28/25 | 04/28/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 04/28/25 | 04/28/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 04/28/25 | 04/28/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |

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# Batch QC

| QC1252393 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 04/28/25 | 04/28/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 04/28/25 | 04/28/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 04/28/25 | 04/28/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 04/28/25 | 04/28/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 04/28/25 | 04/28/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 04/28/25 | 04/28/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 04/28/25 | 04/28/25 |
| 1,2-Dichloroethane-d4 | 108% | | %REC | 70-130 | | 04/28/25 | 04/28/25 |
| Toluene-d8 | 97% | | %REC | 70-130 | | 04/28/25 | 04/28/25 |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 04/28/25 | 04/28/25 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1252394** | **Batch: 369868** |
| **Matrix: Water** | **Method: EPA 8260B** | **Prep Method: EPA 5030B** |

| QC1252394 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 56.95 | 50.00 | ug/L | 114% | | 70-135 |
| MTBE | 54.06 | 50.00 | ug/L | 108% | | 70-130 |
| Benzene | 49.46 | 50.00 | ug/L | 99% | | 70-130 |
| Trichloroethene | 49.02 | 50.00 | ug/L | 98% | | 70-130 |
| Toluene | 47.89 | 50.00 | ug/L | 96% | | 70-130 |
| Chlorobenzene | 46.33 | 50.00 | ug/L | 93% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 49.93 | 50.00 | ug/L | 100% | | 70-130 |
| 1,2-Dichloroethane-d4 | 51.92 | 50.00 | ug/L | 104% | | 70-130 |
| Toluene-d8 | 49.76 | 50.00 | ug/L | 100% | | 70-130 |
| Bromofluorobenzene | 51.85 | 50.00 | ug/L | 104% | | 70-130 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1252395** | **Batch:** | **369868** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1252395 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 51.50 | 50.00 | ug/L | 103% | | 70-135 | 10 | 30 |
| MTBE | 56.26 | 50.00 | ug/L | 113% | | 70-130 | 4 | 30 |
| Benzene | 49.07 | 50.00 | ug/L | 98% | | 70-130 | 1 | 30 |
| Trichloroethene | 48.35 | 50.00 | ug/L | 97% | | 70-130 | 1 | 30 |
| Toluene | 47.25 | 50.00 | ug/L | 95% | | 70-130 | 1 | 30 |
| Chlorobenzene | 45.48 | 50.00 | ug/L | 91% | | 70-130 | 2 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 49.30 | 50.00 | ug/L | 99% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 52.17 | 50.00 | ug/L | 104% | | 70-130 | | |
| Toluene-d8 | 49.52 | 50.00 | ug/L | 99% | | 70-130 | | |
| Bromofluorobenzene | 51.69 | 50.00 | ug/L | 103% | | 70-130 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1252443** | **Batch:** | **369868** |
| **Matrix (Source ID):** | **Water (531645-001)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1252443 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 16.58 | ND | 20.00 | ug/L | 83% | | 70-130 | 1 |
| MTBE | 16.76 | ND | 20.00 | ug/L | 84% | | 75-130 | 1 |
| Benzene | 16.14 | ND | 20.00 | ug/L | 81% | | 70-130 | 1 |
| Trichloroethene | 17.33 | ND | 20.00 | ug/L | 87% | | 63-130 | 1 |
| Toluene | 16.46 | ND | 20.00 | ug/L | 82% | | 70-130 | 1 |
| Chlorobenzene | 16.17 | ND | 20.00 | ug/L | 81% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 44.94 | | 50.00 | ug/L | 90% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 48.75 | | 50.00 | ug/L | 97% | | 70-130 | 1 |
| Toluene-d8 | 50.89 | | 50.00 | ug/L | 102% | | 70-130 | 1 |
| Bromofluorobenzene | 50.68 | | 50.00 | ug/L | 101% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252444 | Batch: | 369868 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531645-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252444 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 16.47 | ND | 20.00 | ug/L | 82% | | 70-130 | 1 | 30 | 1 |
| MTBE | 17.28 | ND | 20.00 | ug/L | 86% | | 75-130 | 3 | 30 | 1 |
| Benzene | 17.14 | ND | 20.00 | ug/L | 86% | | 70-130 | 6 | 30 | 1 |
| Trichloroethene | 17.92 | ND | 20.00 | ug/L | 90% | | 63-130 | 3 | 30 | 1 |
| Toluene | 16.46 | ND | 20.00 | ug/L | 82% | | 70-130 | 0 | 30 | 1 |
| Chlorobenzene | 16.39 | ND | 20.00 | ug/L | 82% | | 70-130 | 1 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 48.35 | | 50.00 | ug/L | 97% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 55.51 | | 50.00 | ug/L | 111% | | 70-130 | | | 1 |
| Toluene-d8 | 48.77 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Bromofluorobenzene | 51.58 | | 50.00 | ug/L | 103% | | 70-130 | | | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1252682 | Batch: | 369946 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252682 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 40.10 | 50.00 | ug/L | 80% | | 70-135 |
| MTBE | 43.98 | 50.00 | ug/L | 88% | | 70-130 |
| Benzene | 43.70 | 50.00 | ug/L | 87% | | 70-130 |
| Trichloroethene | 52.17 | 50.00 | ug/L | 104% | | 70-130 |
| Toluene | 49.44 | 50.00 | ug/L | 99% | | 70-130 |
| Chlorobenzene | 52.25 | 50.00 | ug/L | 104% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 54.76 | 50.00 | ug/L | 110% | | 70-130 |
| 1,2-Dichloroethane-d4 | 42.68 | 50.00 | ug/L | 85% | | 70-130 |
| Toluene-d8 | 54.03 | 50.00 | ug/L | 108% | | 70-130 |
| Bromofluorobenzene | 48.75 | 50.00 | ug/L | 97% | | 70-130 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1252683 | Batch: | 369946 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252683 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 40.58 | 50.00 | ug/L | 81% | | 70-135 | 1 | 30 |
| MTBE | 44.81 | 50.00 | ug/L | 90% | | 70-130 | 2 | 30 |
| Benzene | 43.27 | 50.00 | ug/L | 87% | | 70-130 | 1 | 30 |
| Trichloroethene | 52.18 | 50.00 | ug/L | 104% | | 70-130 | 0 | 30 |
| Toluene | 48.74 | 50.00 | ug/L | 97% | | 70-130 | 1 | 30 |
| Chlorobenzene | 51.43 | 50.00 | ug/L | 103% | | 70-130 | 2 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 55.05 | 50.00 | ug/L | 110% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 42.38 | 50.00 | ug/L | 85% | | 70-130 | | |
| Toluene-d8 | 52.93 | 50.00 | ug/L | 106% | | 70-130 | | |
| Bromofluorobenzene | 47.57 | 50.00 | ug/L | 95% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1252687 | **Batch:** 369946 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1252687 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 04/29/25 | 04/29/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 04/29/25 | 04/29/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 04/29/25 | 04/29/25 |
| Acetone | ND | | ug/L | 100 | 21 | 04/29/25 | 04/29/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 04/29/25 | 04/29/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 04/29/25 | 04/29/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 04/29/25 | 04/29/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 04/29/25 | 04/29/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 04/29/25 | 04/29/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 04/29/25 | 04/29/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 04/29/25 | 04/29/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 04/29/25 | 04/29/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 04/29/25 | 04/29/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 04/29/25 | 04/29/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 04/29/25 | 04/29/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 04/29/25 | 04/29/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 04/29/25 | 04/29/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |

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# Batch QC

| QC1252687 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,2,4-Trimethylbenzene | 0.2 | J | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/29/25 | 04/29/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 04/29/25 | 04/29/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/29/25 | 04/29/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 04/29/25 | 04/29/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 04/29/25 | 04/29/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 04/29/25 | 04/29/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 04/29/25 | 04/29/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 04/29/25 | 04/29/25 |
| 1,2-Dichloroethane-d4 | 85% | | %REC | 70-130 | | 04/29/25 | 04/29/25 |
| Toluene-d8 | 109% | | %REC | 70-130 | | 04/29/25 | 04/29/25 |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 04/29/25 | 04/29/25 |

**Type:** Matrix Spike **Lab ID:** QC1252764 **Batch:** 369946
**Matrix (Source ID):** Water (531477-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1252764 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 106.3 | ND | 200.0 | ug/L | 53% | * | 70-130 | 10 |
| MTBE | 112.0 | ND | 200.0 | ug/L | 56% | * | 75-130 | 10 |
| Benzene | 117.9 | ND | 200.0 | ug/L | 59% | * | 70-130 | 10 |
| Trichloroethene | 153.3 | ND | 200.0 | ug/L | 77% | | 63-130 | 10 |
| Toluene | 140.0 | ND | 200.0 | ug/L | 70% | | 70-130 | 10 |
| Chlorobenzene | 171.2 | 32.82 | 200.0 | ug/L | 69% | * | 70-130 | 10 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 536.6 | | 500.0 | ug/L | 107% | | 70-130 | 10 |
| 1,2-Dichloroethane-d4 | 415.9 | | 500.0 | ug/L | 83% | | 70-130 | 10 |
| Toluene-d8 | 540.1 | | 500.0 | ug/L | 108% | | 70-130 | 10 |
| Bromofluorobenzene | 488.8 | | 500.0 | ug/L | 98% | | 70-130 | 10 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252765 | Batch: | 369946 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531477-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252765 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 109.5 | ND | 200.0 | ug/L | 55% | * | 70-130 | 3 | 30 | 10 |
| MTBE | 117.4 | ND | 200.0 | ug/L | 59% | * | 75-130 | 5 | 30 | 10 |
| Benzene | 123.4 | ND | 200.0 | ug/L | 62% | * | 70-130 | 5 | 30 | 10 |
| Trichloroethene | 162.7 | ND | 200.0 | ug/L | 81% | | 63-130 | 6 | 30 | 10 |
| Toluene | 148.3 | ND | 200.0 | ug/L | 74% | | 70-130 | 6 | 30 | 10 |
| Chlorobenzene | 183.6 | 32.82 | 200.0 | ug/L | 75% | | 70-130 | 7 | 30 | 10 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 541.3 | | 500.0 | ug/L | 108% | | 70-130 | | | 10 |
| 1,2-Dichloroethane-d4 | 405.3 | | 500.0 | ug/L | 81% | | 70-130 | | | 10 |
| Toluene-d8 | 540.8 | | 500.0 | ug/L | 108% | | 70-130 | | | 10 |
| Bromofluorobenzene | 489.3 | | 500.0 | ug/L | 98% | | 70-130 | | | 10 |

| Type: | Blank | Lab ID: | QC1252036 | Batch: | 369774 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252036 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 04/25/25 | 04/26/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 04/25/25 | 04/26/25 |

| Type: | Lab Control Sample | Lab ID: | QC1252038 | Batch: | 369774 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252038 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.756 | 10.00 | ug/L | 88% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.867 | 10.00 | ug/L | 99% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1252039 | Batch: | 369774 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252039 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.890 | 10.00 | ug/L | 89% | | 80-120 | 2 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.08 | 10.00 | ug/L | 101% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1252726 | Batch: | 369957 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1252726 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 04/29/25 | 04/29/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1252727 **Batch:** 369957
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1252727 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1252728 **Batch:** 369957
**Matrix (Source ID):** Water (531597-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1252728 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1252729 **Batch:** 369957
**Matrix (Source ID):** Water (531597-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1252729 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1253899 **Batch:** 370311
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1253899 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 05/02/25 | 05/02/25 |

**Type:** Lab Control Sample **Lab ID:** QC1253900 **Batch:** 370311
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1253900 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 23.65 | 25.00 | mg/L | 95% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1253901 **Batch:** 370311
**Matrix (Source ID):** Water (531741-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1253901 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 27.34 | 1.522 | 25.00 | mg/L | 103% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1253902 **Batch:** 370311
**Matrix (Source ID):** Water (531741-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1253902 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 27.35 | 1.522 | 25.00 | mg/L | 103% | | 75-125 | 0 | 25 | 1 |

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# Batch QC

| Type: Blank | Lab ID: QC1252539 | Batch: 369916 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1252539 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 04/28/25 | 04/28/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 04/28/25 | 04/28/25 |

| Type: Lab Control Sample | Lab ID: QC1252540 | Batch: 369916 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1252540 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,008 | 1000 | mg/L | 101% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1252541 | Batch: 369916 |
|---|---|---|
| Matrix (Source ID): Water (531741-004) | Method: SM2320B | Prep Method: METHOD |

| QC1252541 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 203.7 | 207.6 | mg/L | | 2 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 203.7 | 207.6 | mg/L | | 2 | 20 | 2.5 |

| Type: Blank | Lab ID: QC1252600 | Batch: 369929 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1252600 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 04/28/25 | 04/29/25 |

| Type: Lab Control Sample | Lab ID: QC1252601 | Batch: 369929 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1252601 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,040 | 1000 | mg/L | 104% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1252602 | Batch: 369929 |
|---|---|---|
| Matrix (Source ID): Water (531819-001) | Method: SM2540C | Prep Method: METHOD |

| QC1252602 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 410.0 | 404.0 | mg/L | | 1 | 5 | 2 |

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 531741**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2504M21

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-531741

**Project Location:**
**Project Received:** 04/29/2025

Analytical Report reviewed & approved for release on 05/01/2025 by:

Yen Cao

Yen Cao
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504M21

**Project:** EO-531741

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504M21

**Project:** EO-531741

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M21 |
| **Date Received:** | 04/29/2025 11:04 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 04/30/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-531741 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-17 | 2504M21-001A | Water | 04/24/2025 08:57 | GC26 0430250905.D | 316493 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **510** | 50 | 50 | 1 | 04/30/2025 11:33 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-14 | 2504M21-002A | Water | 04/24/2025 10:27 | GC26 0430250907.D | 316493 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **590** | 50 | 50 | 1 | 04/30/2025 12:02 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-30 | 2504M21-003A | Water | 04/24/2025 11:34 | GC26 0430250910.D | 316493 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3400** | 200 | 200 | 4 | 04/30/2025 13:51 |

Analyst(s): CLO

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M21 |
| **Date Received:** | 04/29/2025 11:04 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 04/30/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-531741 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-15 | 2504M21-004A | Water | 04/24/2025 12:23 | GC26 0430250914.D | 316493 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **14,000** | 500 | 500 | 10 | 04/30/2025 14:52 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M21 |
| **Date Prepared:** | 04/30/2025 | **BatchID:** | 316493 |
| **Date Analyzed:** | 04/30/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-531741 | **Sample ID:** | MB/LCS/LCSD-316493 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 130 | 187.2 | 73 | 71 | 70-130 | 2.39 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2504M21** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531741

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **04/29/2025**
*Date Logged:* **04/29/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2504M21-001 | DW-17 | Water | 4/24/2025 08:57 | ☐ | A | A | | | | | | | | | | |
| 2504M21-002 | DW-14 | Water | 4/24/2025 10:27 | ☐ | A | A | | | | | | | | | | |
| 2504M21-003 | DW-30 | Water | 4/24/2025 11:34 | ☐ | A | A | | | | | | | | | | |
| 2504M21-004 | DW-15 | Water | 4/24/2025 12:23 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Carolina Garcia**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-531741 **Work Order:** 2504M21
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 4/29/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-17 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/24/2025 8:57 | 5 days | 5/6/2025 | Trace | ☐ | ☐ |
| 002A | DW-14 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/24/2025 10:27 | 5 days | 5/6/2025 | Present | ☐ | ☐ |
| 003A | DW-30 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/24/2025 11:34 | 5 days | 5/6/2025 | | ☐ | ☐ |
| 004A | DW-15 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/24/2025 12:23 | 5 days | 5/6/2025 | | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

ENTHALPY
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

~~2504M20~~
2504M21

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-531741
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Hold Time RUSH - collected 4/24/25
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

HOLD TIME RUSH

Notes:
Chiquita Canyon Landfill - Hold Time RUSH - collected 4/24/25

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-17 | 24-APR-2025 08:57 | 531741-001 | 2 | Water | RSK-175 CO2 | Hold Time RUSH - collected 4/24/25 |
| DW-14 | 24-APR-2025 10:27 | 531741-002 | 2 | Water | RSK-175 CO2 | Hold Time RUSH - collected 4/24/25 |
| DW-30 | 24-APR-2025 11:34 | 531741-003 | 2 | Water | RSK-175 CO2 | Hold Time RUSH - collected 4/24/25 |
| DW-15 | 24-APR-2025 12:23 | 531741-004 | 2 | Water | RSK-175 CO2 | Hold Time RUSH - collected 4/24/25 |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Quintero EA-082A | |
| | Date: 04/28/25 1430 | Date: 4/29/25 ~~1430~~ 1104 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

C/S: 5629143407

2.7 Wet IR45

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# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 4/29/2025 11:04 |
| Project: | EO-531741 | Date Logged: | 4/29/2025 |
| | | Received by: | |
| WorkOrder №: | 2504M21 Matrix: | Logged by: | Carolina Garcia |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | NA | ☐ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 2.7°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531889
Report Level : II
Report Date : 05/13/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill - Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 531889<br>GW MONITORING<br>Chiquita Canyon Landfill - Quarterly MPars<br>04/28/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-31 | 531889-001 | 04/28/25 09:12 | Water |
| DW-1 | 531889-002 | 04/28/25 10:09 | Water |
| DW-16 | 531889-003 | 04/28/25 11:08 | Water |
| DW-3 | 531889-004 | 04/28/25 12:03 | Water |
| QCFB | 531889-005 | 04/28/25 09:14 | Water |
| QCTB | 531889-006 | 04/28/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 531889<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill - Quarterly MPars<br>Date Received: 04/28/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 04/29/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recoveries were observed for many analytes in the MS/MSD of DW-31 (lab # 531889-001); the BS/BSD were within limits, and the associated RPDs were within limits.
- 1,2,4-trimethylbenzene was detected between the MDL and the RL in the method blank for batch 370081; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 531889

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

**Test Instructions / Comments**

1213
2.5 12.5

**Quarterly MPars**

cc report to:
pchang@changenvironmental.com Basic EDD & GeoTracker EDF

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-31 | 4/28/25 | 912 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-1 | ↓ | 1009 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 3 | DW-16 | ↓ | 1108 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 4 | DW-3 | ↓ | 1203 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | ↓ | 914 | ↓ | 3 | ↓ | X | | | | | | | | |
| 6 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Login 531889

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 4/28/25 1405 |
| [1] Received By: | | Hrag B. | EA-NH | 4/28/25 1405 |
| [2] Relinquished By: | | Hrag B. | EA-NH | 4/29/25 1045 |
| [2] Received By: | | | EA | 4/29/25 1100 |
| [3] Relinquished By: | | | EA | 4/29/25 1130 |
| [3] Received By: | | Nicole Mendoza | EA | 4/29/25 11:30 |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 4/29/25 WO# 531889 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/29/25 By (initials) RRS Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR13 CF: +0.0

Cooler Temp (°C) #1: 2.5/2.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | | ✓ | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 4/28/25 **By (print)** ABD **(sign)** ABD

**Date Labeled** 4/29/25 **By (print)** EA-OR **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 531889

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531889
Project No: GW MONITORING
Location: Chiquita Canyon Landfill - Quarterly MPars
Date Received: 04/28/25

**Sample ID: DW-31** **Lab ID: 531889-001** **Collected: 04/28/25 09:12**
**Matrix: Water**

| 531889-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.19** | J | mg/L | 0.20 | 0.034 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 17:16 | AJL |
| Chloride | **100** | | mg/L | 1.0 | 0.27 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 17:16 | AJL |
| Bromide | **0.52** | | mg/L | 0.30 | 0.060 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 17:16 | AJL |
| Nitrogen, Nitrate | **0.76** | | mg/L | 0.10 | 0.05 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 17:16 | AJL |
| Sulfate | **430** | | mg/L | 10 | 1.8 | 10 | 370000 | 04/29/25 13:30 | 04/29/25 17:37 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.057** | J | mg/L | 0.10 | 0.050 | 1 | 370322 | 05/02/25 | 05/05/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **29** | | mg/L | 4.0 | 2.0 | 1 | 370263 | 05/01/25 | 05/01/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.59** | | mg/L | 0.050 | 0.0055 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Calcium | **200** | | mg/L | 0.57 | 0.57 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Iron | **0.13** | | mg/L | 0.046 | 0.046 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Magnesium | **37** | | mg/L | 0.10 | 0.025 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Manganese | **0.15** | | mg/L | 0.010 | 0.0029 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Potassium | **1.5** | | mg/L | 0.50 | 0.40 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Sodium | **120** | | mg/L | 0.50 | 0.35 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531889

| 531889-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531889

| 531889-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 84% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Toluene-d8 | 108% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | HMN |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | **6.0** | | ug/L | 1.0 | 0.95 | 1 | 370366 | 05/02/25 | 05/05/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 104% | | %REC | 80-120 | | 1 | 370366 | 05/02/25 | 05/05/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 370312 | 05/02/25 | 05/02/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **14** | | mg/L | 1.0 | 0.68 | 1 | 370311 | 05/02/25 | 05/02/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **490** | | mg/L | 10 | | 5 | 370049 | 04/29/25 | 04/29/25 | WWC |
| Alkalinity, Total as CaCO3 | **490** | | mg/L | 10 | | 5 | 370049 | 04/29/25 | 04/29/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,300** | | mg/L | 20 | | 2 | 370153 | 04/30/25 | 05/01/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531889

| Sample ID: DW-1 | Lab ID: 531889-002 | Collected: 04/28/25 10:09 |
|---|---|---|
| | Matrix: Water | |

| 531889-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.74** | | mg/L | 0.20 | 0.034 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 18:39 | AJL |
| Chloride | **120** | | mg/L | 1.0 | 0.27 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 18:39 | AJL |
| Bromide | **0.29** | J | mg/L | 0.30 | 0.060 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 18:39 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 18:39 | AJL |
| Sulfate | **390** | | mg/L | 10 | 1.8 | 10 | 370000 | 04/29/25 13:30 | 04/29/25 18:59 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 370322 | 05/02/25 | 05/05/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **2.0** | J | mg/L | 4.0 | 2.0 | 1 | 370263 | 05/01/25 | 05/01/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.21** | | mg/L | 0.050 | 0.0055 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Calcium | **57** | | mg/L | 0.57 | 0.57 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Magnesium | **11** | | mg/L | 0.10 | 0.025 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Manganese | **0.049** | | mg/L | 0.010 | 0.0029 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Potassium | **2.5** | | mg/L | 0.50 | 0.40 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Sodium | **210** | | mg/L | 0.50 | 0.35 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531889

| 531889-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Tetrachloroethene | **0.2** | J | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloroethane-d4 | 85% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Toluene-d8 | 108% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531889

| 531889-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 370366 | 05/02/25 | 05/05/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 98% | | %REC | 80-120 | | 1 | 370366 | 05/02/25 | 05/05/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 370312 | 05/02/25 | 05/02/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 370311 | 05/02/25 | 05/02/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **220** | | mg/L | 10 | | 5 | 370049 | 04/29/25 | 04/29/25 | WWC |
| Alkalinity, Total as CaCO3 | **220** | | mg/L | 10 | | 5 | 370049 | 04/29/25 | 04/29/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **860** | | mg/L | 20 | | 2 | 370153 | 04/30/25 | 05/01/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531889

| Sample ID: DW-16 | Lab ID: 531889-003 | Collected: 04/28/25 11:08 |
|---|---|---|
| | Matrix: Water | |

| 531889-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.39** | | mg/L | 0.20 | 0.034 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 19:20 | AJL |
| Chloride | **110** | | mg/L | 1.0 | 0.27 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 19:20 | AJL |
| Bromide | **0.24** | J | mg/L | 0.30 | 0.060 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 19:20 | AJL |
| Nitrogen, Nitrate | **2.2** | | mg/L | 0.10 | 0.05 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 19:20 | AJL |
| Sulfate | **190** | | mg/L | 10 | 1.8 | 10 | 370000 | 04/29/25 13:30 | 04/29/25 19:40 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 370322 | 05/02/25 | 05/05/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **4.0** | | mg/L | 4.0 | 2.0 | 1 | 370263 | 05/01/25 | 05/01/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.13** | | mg/L | 0.050 | 0.0055 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Calcium | **6.5** | | mg/L | 0.57 | 0.57 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Magnesium | **0.39** | | mg/L | 0.10 | 0.025 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Potassium | **0.83** | | mg/L | 0.50 | 0.40 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Sodium | **230** | | mg/L | 0.50 | 0.35 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Trichlorofluoromethane | **0.09** | J | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloroethane | **0.9** | J | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,2-Dichloroethene | **0.6** | J | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloroform | **0.3** | J | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531889

| 531889-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Trichloroethene | **0.7** | J | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Tetrachloroethene | **0.6** | J | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,4-Dichlorobenzene | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloroethane-d4 | 85% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Toluene-d8 | 107% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531889

| 531889-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 370366 | 05/02/25 | 05/05/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 1 | 370366 | 05/02/25 | 05/05/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 370312 | 05/02/25 | 05/02/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 370311 | 05/02/25 | 05/02/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **220** | | mg/L | 10 | | 5 | 370049 | 04/29/25 | 04/29/25 | WWC |
| Alkalinity, Total as CaCO3 | **250** | | mg/L | 10 | | 5 | 370049 | 04/29/25 | 04/29/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **720** | | mg/L | 20 | | 2 | 370153 | 04/30/25 | 05/01/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531889

| Sample ID: DW-3 | Lab ID: 531889-004 | Collected: 04/28/25 12:03 |
|---|---|---|
| | Matrix: Water | |

| 531889-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.63** | | mg/L | 0.20 | 0.034 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 20:01 | AJL |
| Chloride | **58** | | mg/L | 1.0 | 0.27 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 20:01 | AJL |
| Bromide | **0.17** | J | mg/L | 0.30 | 0.060 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 20:01 | AJL |
| Nitrogen, Nitrate | **1.9** | | mg/L | 0.10 | 0.05 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 20:01 | AJL |
| Sulfate | **110** | | mg/L | 10 | 1.8 | 10 | 370000 | 04/29/25 13:30 | 04/29/25 20:21 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 370322 | 05/02/25 | 05/05/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 370263 | 05/01/25 | 05/01/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.26** | | mg/L | 0.050 | 0.0055 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Calcium | **32** | | mg/L | 0.57 | 0.57 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Magnesium | **3.9** | | mg/L | 0.10 | 0.025 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Potassium | **1.6** | | mg/L | 0.50 | 0.40 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Sodium | **110** | | mg/L | 0.50 | 0.35 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Freon 12 | **3.5** | J | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Trichlorofluoromethane | **0.1** | J | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloroethane | **0.2** | J | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531889

| 531889-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Tetrachloroethene | **0.9** | J | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloroethane-d4 | 85% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Toluene-d8 | 108% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531889

| 531889-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 370366 | 05/02/25 | 05/05/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 98% | | %REC | 80-120 | | 1 | 370366 | 05/02/25 | 05/05/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 370312 | 05/02/25 | 05/02/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 370311 | 05/02/25 | 05/02/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **200** | | mg/L | 10 | | 5 | 370049 | 04/29/25 | 04/29/25 | WWC |
| Alkalinity, Total as CaCO3 | **200** | | mg/L | 10 | | 5 | 370049 | 04/29/25 | 04/29/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **450** | | mg/L | 20 | | 2 | 370153 | 04/30/25 | 05/01/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531889

| Sample ID: QCFB | Lab ID: 531889-005 | Collected: 04/28/25 09:14 |
|---|---|---|
| | Matrix: Water | |

| 531889-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Methylene Chloride | **6.4** | | ug/L | 5.0 | 2.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloroform | **0.7** | J | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531889

| 531889-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloroethane-d4 | 86% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Toluene-d8 | 107% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531889

| Sample ID: QCTB | Lab ID: 531889-006 | Collected: 04/28/25 |
|---|---|---|
| | Matrix: Water | |

| 531889-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531889

| 531889-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| 1,2-Dichloroethane-d4 | 85% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Toluene-d8 | 108% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 370081 | 04/30/25 | 04/30/25 | ZST |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1252823** | **Batch:** | **370000** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1252823 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.034 | 04/29/25 13:30 | 04/29/25 14:32 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 04/29/25 13:30 | 04/29/25 14:32 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 04/29/25 13:30 | 04/29/25 14:32 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 04/29/25 13:30 | 04/29/25 14:32 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 04/29/25 13:30 | 04/29/25 14:32 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1252824** | **Batch:** | **370000** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1252824 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.108 | 10.00 | mg/L | 91% | | 90-110 |
| Chloride | 47.77 | 50.00 | mg/L | 96% | | 90-110 |
| Bromide | 15.10 | 15.00 | mg/L | 101% | | 90-110 |
| Nitrogen, Nitrate | 4.580 | 4.518 | mg/L | 101% | | 90-110 |
| Sulfate | 24.71 | 25.00 | mg/L | 99% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1252826** | **Batch:** | **370000** |
| **Matrix (Source ID):** | **Water (531895-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1252826 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.16 | 0.05058 | 20.00 | mg/L | 96% | | 80-120 | 1 |
| Chloride | 111.3 | 10.09 | 100.0 | mg/L | 101% | | 80-120 | 1 |
| Bromide | 15.02 | ND | 15.00 | mg/L | 100% | | 80-120 | 1 |
| Nitrogen, Nitrate | 12.43 | 3.483 | 9.036 | mg/L | 99% | | 80-120 | 1 |
| Sulfate | 60.09 | 10.62 | 50.00 | mg/L | 99% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1252827** | **Batch:** | **370000** |
| **Matrix (Source ID):** | **Water (531895-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1252827 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.25 | 0.05058 | 20.00 | mg/L | 96% | | 80-120 | 0 | 20 | 1 |
| Chloride | 111.4 | 10.09 | 100.0 | mg/L | 101% | | 80-120 | 0 | 20 | 1 |
| Bromide | 15.01 | ND | 15.00 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 12.37 | 3.483 | 9.036 | mg/L | 98% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 60.11 | 10.62 | 50.00 | mg/L | 99% | | 80-120 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1253947** | **Batch:** | **370322** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1253947 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9894 | 1.000 | mg/L | 99% | | 90-110 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1253948 | Batch: 370322 |
|---|---|---|
| Matrix: Water | Method: EPA 350.1 | Prep Method: METHOD |

| QC1253948 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 05/02/25 | 05/05/25 |

| Type: Matrix Spike | Lab ID: QC1253954 | Batch: 370322 |
|---|---|---|
| Matrix (Source ID): Water (531889-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1253954 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.027 | 0.05677 | 1.000 | mg/L | 97% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1253955 | Batch: 370322 |
|---|---|---|
| Matrix (Source ID): Water (531889-001) | Method: EPA 350.1 | Prep Method: METHOD |

| QC1253955 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.065 | 0.05677 | 1.000 | mg/L | 101% | | 90-110 | 4 | 20 | 1 |

| Type: Blank | Lab ID: QC1253686 | Batch: 370263 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1253686 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 05/01/25 | 05/01/25 |

| Type: Lab Control Sample | Lab ID: QC1253687 | Batch: 370263 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1253687 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 99.00 | 100.0 | mg/L | 99% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1253688 | Batch: 370263 |
|---|---|---|
| Matrix (Source ID): Water (531741-001) | Method: EPA 410.4 | Prep Method: METHOD |

| QC1253688 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 94.00 | ND | 100.0 | mg/L | 94% | | 75-125 | 2 |

| Type: Matrix Spike Duplicate | Lab ID: QC1253689 | Batch: 370263 |
|---|---|---|
| Matrix (Source ID): Water (531741-001) | Method: EPA 410.4 | Prep Method: METHOD |

| QC1253689 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 94.00 | ND | 100.0 | mg/L | 94% | | 75-125 | 0 | 20 | 2 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1253690 | Batch: | 370263 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531889-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1253690 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 128.0 | 29.00 | 100.0 | mg/L | 99% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1253691 | Batch: | 370263 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531889-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1253691 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 128.0 | 29.00 | 100.0 | mg/L | 99% | | 75-125 | 0 | 20 | 2 |

| Type: | Blank | Lab ID: | QC1252874 | Batch: | 370016 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252874 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 04/29/25 | 04/29/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 04/29/25 | 04/29/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 04/29/25 | 04/29/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 04/29/25 | 04/29/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 04/29/25 | 04/29/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 04/29/25 | 04/29/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 04/29/25 | 04/29/25 |

| Type: | Lab Control Sample | Lab ID: | QC1252875 | Batch: | 370016 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252875 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3630 | 0.4000 | mg/L | 91% | | 80-120 |
| Calcium | 18.17 | 20.40 | mg/L | 89% | | 80-120 |
| Iron | 0.3614 | 0.4000 | mg/L | 90% | | 80-120 |
| Magnesium | 18.12 | 20.40 | mg/L | 89% | | 80-120 |
| Manganese | 0.3618 | 0.4000 | mg/L | 90% | | 80-120 |
| Potassium | 20.83 | 24.00 | mg/L | 87% | | 80-120 |
| Sodium | 17.82 | 20.40 | mg/L | 87% | | 80-120 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1252876 | Batch: | 370016 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531889-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252876 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.9613 | 0.5900 | 0.4000 | mg/L | 93% | | 75-125 | 1 |
| Calcium | 216.1 | 200.0 | 20.40 | mg/L | 79% | NM | 75-125 | 1 |
| Iron | 0.4927 | 0.1293 | 0.4000 | mg/L | 91% | | 75-125 | 1 |
| Magnesium | 55.32 | 37.11 | 20.40 | mg/L | 89% | | 75-125 | 1 |
| Manganese | 0.5208 | 0.1543 | 0.4000 | mg/L | 92% | | 75-125 | 1 |
| Potassium | 23.93 | 1.478 | 24.00 | mg/L | 94% | | 75-125 | 1 |
| Sodium | 140.8 | 123.2 | 20.40 | mg/L | 86% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252877 | Batch: | 370016 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531889-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252877 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.9487 | 0.5900 | 0.4000 | mg/L | 90% | | 75-125 | 1 | 20 | 1 |
| Calcium | 215.8 | 200.0 | 20.40 | mg/L | 77% | NM | 75-125 | 0 | 20 | 1 |
| Iron | 0.4788 | 0.1293 | 0.4000 | mg/L | 87% | | 75-125 | 3 | 20 | 1 |
| Magnesium | 54.76 | 37.11 | 20.40 | mg/L | 87% | | 75-125 | 1 | 20 | 1 |
| Manganese | 0.5084 | 0.1543 | 0.4000 | mg/L | 89% | | 75-125 | 2 | 20 | 1 |
| Potassium | 23.19 | 1.478 | 24.00 | mg/L | 90% | | 75-125 | 3 | 20 | 1 |
| Sodium | 140.3 | 123.2 | 20.40 | mg/L | 84% | NM | 75-125 | 0 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1252883 | Batch: | 370016 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531889-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252883 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.5876 | 0.5900 | mg/L | | | | 5 |
| Calcium | 204.0 | 200.0 | mg/L | | | | 5 |
| Iron | ND | 0.1293 | mg/L | | | | 5 |
| Magnesium | 38.16 | 37.11 | mg/L | | | | 5 |
| Manganese | 0.1567 | 0.1543 | mg/L | | | | 5 |
| Potassium | ND | 1.478 | mg/L | | | | 5 |
| Sodium | 124.0 | 123.2 | mg/L | | | | 5 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1253096 | Batch: 370081 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1253096 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 44.56 | 50.00 | ug/L | 89% | | 70-135 |
| MTBE | 44.03 | 50.00 | ug/L | 88% | | 70-130 |
| Benzene | 46.77 | 50.00 | ug/L | 94% | | 70-130 |
| Trichloroethene | 57.30 | 50.00 | ug/L | 115% | | 70-130 |
| Toluene | 52.01 | 50.00 | ug/L | 104% | | 70-130 |
| Chlorobenzene | 53.94 | 50.00 | ug/L | 108% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 54.15 | 50.00 | ug/L | 108% | | 70-130 |
| 1,2-Dichloroethane-d4 | 41.92 | 50.00 | ug/L | 84% | | 70-130 |
| Toluene-d8 | 53.29 | 50.00 | ug/L | 107% | | 70-130 |
| Bromofluorobenzene | 48.89 | 50.00 | ug/L | 98% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1253097 | Batch: 370081 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1253097 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 41.89 | 50.00 | ug/L | 84% | | 70-135 | 6 | 30 |
| MTBE | 44.96 | 50.00 | ug/L | 90% | | 70-130 | 2 | 30 |
| Benzene | 44.97 | 50.00 | ug/L | 90% | | 70-130 | 4 | 30 |
| Trichloroethene | 53.78 | 50.00 | ug/L | 108% | | 70-130 | 6 | 30 |
| Toluene | 49.96 | 50.00 | ug/L | 100% | | 70-130 | 4 | 30 |
| Chlorobenzene | 53.31 | 50.00 | ug/L | 107% | | 70-130 | 1 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.89 | 50.00 | ug/L | 108% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 42.28 | 50.00 | ug/L | 85% | | 70-130 | | |
| Toluene-d8 | 52.95 | 50.00 | ug/L | 106% | | 70-130 | | |
| Bromofluorobenzene | 48.92 | 50.00 | ug/L | 98% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1253101 | **Batch:** 370081 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1253101 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 04/30/25 | 04/30/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 04/30/25 | 04/30/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 04/30/25 | 04/30/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 04/30/25 | 04/30/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 04/30/25 | 04/30/25 |
| Acetone | ND | | ug/L | 100 | 21 | 04/30/25 | 04/30/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 04/30/25 | 04/30/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 04/30/25 | 04/30/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 04/30/25 | 04/30/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 04/30/25 | 04/30/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 04/30/25 | 04/30/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 04/30/25 | 04/30/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 04/30/25 | 04/30/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 04/30/25 | 04/30/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 04/30/25 | 04/30/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 04/30/25 | 04/30/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 04/30/25 | 04/30/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 04/30/25 | 04/30/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 04/30/25 | 04/30/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |

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# Batch QC

| QC1253101 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| 1,2,4-Trimethylbenzene | 0.2 | J | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/30/25 | 04/30/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 04/30/25 | 04/30/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/30/25 | 04/30/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 04/30/25 | 04/30/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 04/30/25 | 04/30/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 04/30/25 | 04/30/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 04/30/25 | 04/30/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 04/30/25 | 04/30/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 04/30/25 | 04/30/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 04/30/25 | 04/30/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 04/30/25 | 04/30/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 04/30/25 | 04/30/25 |
| 1,2-Dichloroethane-d4 | 85% | | %REC | 70-130 | | 04/30/25 | 04/30/25 |
| Toluene-d8 | 108% | | %REC | 70-130 | | 04/30/25 | 04/30/25 |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 04/30/25 | 04/30/25 |

**Type:** Matrix Spike **Lab ID:** QC1253176 **Batch:** 370081
**Matrix (Source ID):** Water (531889-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1253176 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 7.736 | ND | 20.00 | ug/L | 39% | * | 70-130 | 1 |
| MTBE | 9.194 | ND | 20.00 | ug/L | 46% | * | 75-130 | 1 |
| Benzene | 9.260 | ND | 20.00 | ug/L | 46% | * | 70-130 | 1 |
| Trichloroethene | 11.78 | ND | 20.00 | ug/L | 59% | * | 63-130 | 1 |
| Toluene | 10.76 | ND | 20.00 | ug/L | 54% | * | 70-130 | 1 |
| Chlorobenzene | 11.64 | ND | 20.00 | ug/L | 58% | * | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.39 | | 50.00 | ug/L | 107% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 42.06 | | 50.00 | ug/L | 84% | | 70-130 | 1 |
| Toluene-d8 | 53.83 | | 50.00 | ug/L | 108% | | 70-130 | 1 |
| Bromofluorobenzene | 49.64 | | 50.00 | ug/L | 99% | | 70-130 | 1 |

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1253177 | Batch: | 370081 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531889-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1253177 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 7.562 | ND | 20.00 | ug/L | 38% | * | 70-130 | 2 | 30 | 1 |
| MTBE | 9.675 | ND | 20.00 | ug/L | 48% | * | 75-130 | 5 | 30 | 1 |
| Benzene | 9.259 | ND | 20.00 | ug/L | 46% | * | 70-130 | 0 | 30 | 1 |
| Trichloroethene | 11.33 | ND | 20.00 | ug/L | 57% | * | 63-130 | 4 | 30 | 1 |
| Toluene | 10.41 | ND | 20.00 | ug/L | 52% | * | 70-130 | 3 | 30 | 1 |
| Chlorobenzene | 11.36 | ND | 20.00 | ug/L | 57% | * | 70-130 | 2 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 54.70 | | 50.00 | ug/L | 109% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 43.49 | | 50.00 | ug/L | 87% | | 70-130 | | | 1 |
| Toluene-d8 | 52.92 | | 50.00 | ug/L | 106% | | 70-130 | | | 1 |
| Bromofluorobenzene | 49.38 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1254089 | Batch: | 370366 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1254089 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 05/02/25 | 05/05/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 05/02/25 | 05/05/25 |

| Type: | Lab Control Sample | Lab ID: | QC1254090 | Batch: | 370366 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1254090 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.24 | 10.00 | ug/L | 102% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.863 | 10.00 | ug/L | 99% | | 80-120 |

| Type: | Matrix Spike | Lab ID: | QC1254091 | Batch: | 370366 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532004-004) | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1254091 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 12.39 | 1.798 | 10.00 | ug/L | 106% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.17 | | 10.00 | ug/L | 102% | | 80-120 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1254092 | Batch: | 370366 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532004-004) | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1254092 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 12.22 | 1.798 | 10.00 | ug/L | 104% | | 70-130 | 1 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.42 | | 10.00 | ug/L | 104% | | 80-120 | | | 1 |

| Type: | Blank | Lab ID: | QC1253903 | Batch: | 370312 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1253903 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 05/02/25 | 05/02/25 |

| Type: | Lab Control Sample | Lab ID: | QC1253904 | Batch: | 370312 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1253904 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1253905 | Batch: | 370312 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531773-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1253905 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1253906 | Batch: | 370312 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531773-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1253906 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1253899 | Batch: | 370311 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1253899 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 05/02/25 | 05/02/25 |

| Type: | Lab Control Sample | Lab ID: | QC1253900 | Batch: | 370311 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1253900 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 23.65 | 25.00 | mg/L | 95% | | 85-115 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1253901 | Batch: | 370311 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531741-001) | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1253901 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 27.34 | 1.522 | 25.00 | mg/L | 103% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1253902 | Batch: | 370311 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531741-001) | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1253902 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 27.35 | 1.522 | 25.00 | mg/L | 103% | | 75-125 | 0 | 25 | 1 |

| Type: | Blank | Lab ID: | QC1252985 | Batch: | 370049 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1252985 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 04/29/25 | 04/29/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 04/29/25 | 04/29/25 |

| Type: | Lab Control Sample | Lab ID: | QC1252986 | Batch: | 370049 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1252986 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 970.5 | 1000 | mg/L | 97% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1253324 | Batch: | 370049 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531895-003) | Method: | SM2320B | Prep Method: | METHOD |

| QC1253324 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 163.4 | 165.3 | mg/L | | 1 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 163.4 | 165.3 | mg/L | | 1 | 20 | 2.5 |

| Type: | Blank | Lab ID: | QC1253329 | Batch: | 370153 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1253329 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 04/30/25 | 05/01/25 |

| Type: | Lab Control Sample | Lab ID: | QC1253330 | Batch: | 370153 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1253330 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 950.0 | 1000 | mg/L | 95% | | 90-110 |

# Batch QC

| Type: | Sample Duplicate | Lab ID: | QC1253331 | Batch: | 370153 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531980-001) | Method: | SM2540C | Prep Method: | METHOD |

| QC1253331 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 700.0 | 672.0 | mg/L | | 4 | 5 | 2 |

| Type: | Sample Duplicate | Lab ID: | QC1253332 | Batch: | 370153 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531756-001) | Method: | SM2540C | Prep Method: | METHOD |

| QC1253332 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 588.0 | 562.0 | mg/L | | 5 | 5 | 2 |

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 531889**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2504M97

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-531889

**Project Location:**
**Project Received:** 04/30/2025

Analytical Report reviewed & approved for release on 05/06/2025 by:

Jennifer Lagerbom
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

McCampbell Analytical, Inc.
*"When Quality Counts"*

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504M97

**Project:** EO-531889

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504M97

**Project:** EO-531889

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M97 |
| **Date Received:** | 04/30/2025 11:11 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 05/02/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-531889 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-31 | 2504M97-001A | Water | 04/28/2025 09:12 | GC26 0502251007.D | 316675 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **71,000** | 2500 | 2500 | 50 | 05/02/2025 14:32 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-1 | 2504M97-002A | Water | 04/28/2025 10:09 | GC26 0502251010.D | 316675 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3100** | 200 | 200 | 4 | 05/02/2025 15:10 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-16 | 2504M97-003A | Water | 04/28/2025 11:08 | GC26 0502251012.D | 316675 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1400** | 50 | 50 | 1 | 05/02/2025 15:51 |

Analyst(s): CLO

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M97 |
| **Date Received:** | 04/30/2025 11:11 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 05/02/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-531889 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-3 | 2504M97-004A | Water | 04/28/2025 12:03 | GC26 0502251015.D | 316675 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3600** | 200 | 200 | 4 | 05/02/2025 16:50 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M97 |
| **Date Prepared:** | 05/02/2025 | **BatchID:** | 316675 |
| **Date Analyzed:** | 05/02/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-531889 | **Sample ID:** | MB/LCS/LCSD-316675 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 130 | 140 | 187.2 | 71 | 75 | 70-130 | 4.89 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2504M97** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531889

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **04/30/2025**
*Date Logged:* **04/30/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2504M97-001 | DW-31 | Water | 4/28/2025 09:12 | ☐ | A | A | | | | | | | | | | |
| 2504M97-002 | DW-1 | Water | 4/28/2025 10:09 | ☐ | A | A | | | | | | | | | | |
| 2504M97-003 | DW-16 | Water | 4/28/2025 11:08 | ☐ | A | A | | | | | | | | | | |
| 2504M97-004 | DW-3 | Water | 4/28/2025 12:03 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-531889 **Work Order:** 2504M97
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 4/30/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-31 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 4/28/2025 9:12 | 5 days | 5/7/2025 | None | ☐ | ☐ |
| 002A | DW-1 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 4/28/2025 10:09 | 5 days | 5/7/2025 | None | ☐ | ☐ |
| 003A | DW-16 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 4/28/2025 11:08 | 5 days | 5/7/2025 | None | ☐ | ☐ |
| 004A | DW-3 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 4/28/2025 12:03 | 5 days | 5/7/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2504M97

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-531889
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Landfill - GW Monitoring Samples

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-31 | 28-APR-2025 09:12 | 531889-001 | 3 X | Water | RSK-175 CO2 | |
| DW-1 | 28-APR-2025 10:09 | 531889-002 | 3 X | Water | RSK-175 CO2 | |
| DW-16 | 28-APR-2025 11:08 | 531889-003 | 3 X | Water | RSK-175 CO2 | |
| DW-3 | 28-APR-2025 12:03 | 531889-004 | 3 X | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Anna Roberts | |
| | Date: 4-29-25 16:38 | Date: |
| | | Emily Ke |
| | Date: | Date: 4/30/25 11:41 |
| | | |
| | Date: | Date: |

GIS: 562950516 1.0 wet
1R30

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# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 4/30/2025 11:11 |
| Project: | EO-531889 | Date Logged: | 4/30/2025 |
| | | Received by: | |
| WorkOrder №: | 2504M97 Matrix: | Logged by: | Emily Perez |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☐ | No | ☐ | NA | ☑ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 1°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 532904
Report Level : II
Report Date : 05/28/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill, Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 532904<br>GW MONITORING<br>Chiquita Canyon Landfill, Quarterly MPars<br>05/12/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-28 | 532904-001 | 05/12/25 09:22 | Water |
| DW-8 | 532904-002 | 05/12/25 10:55 | Water |
| DW-9 | 532904-003 | 05/12/25 12:20 | Water |
| DW-31 | 532904-004 | 05/12/25 13:26 | Water |
| QCFB | 532904-005 | 05/12/25 10:57 | Water |
| QCTB | 532904-006 | 05/12/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 532904<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill, Quarterly MPars<br>Date Received: 05/12/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 05/13/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- High response was observed for chloroethane in the CCV analyzed 05/23/25 08:58; this analyte was not detected at or above the RL in the associated sample, and affected data was qualified with "b".
- Many analytes were analyzed outside of hold time; affected data was qualified with "H".
- QCFB (lab # 532904-005) and QCTB (lab # 532904-006) had pH greater than 2.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**

- The TOC sample was received in an unpreserved amber glass container. The sample was preserved at the lab after receipt prior to analysis.
- No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 532904

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

**Test Instructions / Comments**

IR 13

2.6 2.6

**Quarterly MPars**

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-28 | 5/12/25 | 922 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-8 | ↓ | 1055 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 3 | DW-9 | ↓ | 1220 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 4 | DW-31 | ↓ | 1326 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | ↓ | 1057 | ↓ | 3 | ↓ | X | | | | | | | | |
| 6 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Login 532904

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 5/12/25 2:20 |
| [1] Received By: | | ALICE TAHMASIAN | EAINH | 5/12/25 2:20 |
| [2] Relinquished By: | | ALICE TAHMASIAN | EA/NH | 5/12/25 11:05 |
| [2] Received By: | | GEMA | EANH | 5.13.25 11:05 |
| [3] Relinquished By: | | GEMA | EANH | 5.13.25 11:05 |
| [3] Received By: | | NI WO | RA | 5-17-25 1130 |

NI WO RA 5-13-25 1225 RECEIVED BY: 5/13/25 1225

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**
Date Received: 05/13/25 WO# _____ Client: Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**
Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 05/13/25 By (initials) AXT Type of ice used : ☐ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7 °C
Cooler Temp (°C) #1: 13.5/12.8 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☐ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☒ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____
**Date Labeled** _____ **By (print)** _____ **(sign)** _____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 5/13/25 WO# 532904 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 5/13/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 13 CF: +0.0

Cooler Temp (°C) #1: 2.6 / 2.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | ~~X~~ | X | |
| 10) Were samples received with > 1/2 holding time remaining? | | X | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.9 - SAMPLES FOR TOC RECEIVED IN POLY/PLASTIC PRESERVED W/ H2SO4

4.10 - SAMPLES FOR -001, -002 AND -005 RECEIVED < 1/2 HOLDING TIME REMAINING FOR NITRATE

☐ **No additional discrepancies**

**Date Logged** 5/12/25 **By (print)** ABD **(sign)** _____

**Date Labeled** 5/13/25 **By (print)** NIG **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 532904

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 532904
Project No: GW MONITORING
Location: Chiquita Canyon Landfill, Quarterly MPars
Date Received: 05/12/25

**Sample ID: DW-28** **Lab ID: 532904-001** **Collected: 05/12/25 09:22**
**Matrix: Water**

| 532904-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **1.2** | | mg/L | 0.20 | 0.072 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 18:26 | KUM |
| Chloride | **35** | | mg/L | 1.0 | 0.27 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 18:26 | KUM |
| Bromide | **0.19** | J | mg/L | 0.30 | 0.060 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 18:26 | KUM |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 18:26 | KUM |
| Sulfate | **460** | | mg/L | 10 | 2.5 | 10 | 371207 | 05/13/25 15:00 | 05/13/25 19:28 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.33** | | mg/L | 0.10 | 0.050 | 1 | 371828 | 05/20/25 | 05/21/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **14** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.3** | | mg/L | 0.050 | 0.0055 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Calcium | **4.7** | | mg/L | 0.57 | 0.57 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Magnesium | **0.80** | | mg/L | 0.10 | 0.025 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Manganese | **0.0036** | J | mg/L | 0.010 | 0.0029 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Potassium | **0.87** | | mg/L | 0.50 | 0.40 | 1 | 371213 | 05/13/25 | 05/14/25 | CAP |
| Sodium | **350** | | mg/L | 0.50 | 0.35 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Acetone | ND | | ug/L | 100 | 8.8 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| 532904-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 94% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| 532904-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Toluene-d8 | 105% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371746 | 05/19/25 | 05/19/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.3** | | mg/L | 1.0 | 0.68 | 1 | 371858 | 05/20/25 | 05/21/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **260** | | mg/L | 5.0 | | 2.5 | 371695 | 05/17/25 | 05/17/25 | WWC |
| Alkalinity, Total as CaCO3 | **330** | | mg/L | 5.0 | | 2.5 | 371695 | 05/17/25 | 05/17/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,200** | | mg/L | 20 | | 2 | 371485 | 05/15/25 | 05/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| Sample ID: DW-8 | Lab ID: 532904-002 | Collected: 05/12/25 10:55 |
|---|---|---|
| | Matrix: Water | |

| 532904-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | ND | | mg/L | 0.20 | 0.072 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 19:49 | KUM |
| Chloride | **68** | | mg/L | 1.0 | 0.27 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 19:49 | KUM |
| Bromide | **0.24** | J | mg/L | 0.30 | 0.060 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 19:49 | KUM |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 19:49 | KUM |
| Sulfate | **2,800** | | mg/L | 50 | 12 | 50 | 371207 | 05/13/25 15:00 | 05/13/25 20:10 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **1.1** | | mg/L | 0.10 | 0.050 | 1 | 371452 | 05/15/25 | 05/16/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **12** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.0** | | mg/L | 0.050 | 0.0055 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Calcium | **350** | | mg/L | 0.57 | 0.57 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Iron | **6.0** | | mg/L | 0.046 | 0.046 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Magnesium | **200** | | mg/L | 0.10 | 0.025 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Manganese | **0.069** | | mg/L | 0.010 | 0.0029 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Potassium | **6.3** | | mg/L | 0.50 | 0.40 | 1 | 371213 | 05/13/25 | 05/14/25 | CAP |
| Sodium | **590** | | mg/L | 0.50 | 0.35 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Acetone | ND | | ug/L | 100 | 8.8 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| 532904-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 93% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Toluene-d8 | 105% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 532904

| 532904-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371746 | 05/19/25 | 05/19/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.8** | | mg/L | 1.0 | 0.68 | 1 | 371858 | 05/20/25 | 05/21/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **310** | | mg/L | 10 | | 5 | 371695 | 05/17/25 | 05/17/25 | WWC |
| Alkalinity, Total as CaCO3 | **310** | | mg/L | 10 | | 5 | 371695 | 05/17/25 | 05/17/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **4,800** | | mg/L | 40 | | 4 | 371485 | 05/15/25 | 05/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| Sample ID: DW-9 | Lab ID: 532904-003 | Collected: 05/12/25 12:20 |
|---|---|---|
| | Matrix: Water | |

| 532904-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **2.1** | | mg/L | 0.20 | 0.072 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 20:31 | KUM |
| Chloride | **80** | | mg/L | 1.0 | 0.27 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 20:31 | KUM |
| Bromide | **0.27** | J | mg/L | 0.30 | 0.060 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 20:31 | KUM |
| Nitrogen, Nitrate | **2.2** | | mg/L | 0.10 | 0.05 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 20:31 | KUM |
| Sulfate | **690** | | mg/L | 10 | 2.5 | 10 | 371207 | 05/13/25 15:00 | 05/13/25 20:52 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.051** | J | mg/L | 0.10 | 0.050 | 1 | 371452 | 05/15/25 | 05/16/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **12** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.59** | | mg/L | 0.050 | 0.0055 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Calcium | **22** | | mg/L | 0.57 | 0.57 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Magnesium | **2.2** | | mg/L | 0.10 | 0.025 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Potassium | **1.3** | | mg/L | 0.50 | 0.40 | 1 | 371213 | 05/13/25 | 05/14/25 | CAP |
| Sodium | **380** | | mg/L | 0.50 | 0.35 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Acetone | ND | | ug/L | 100 | 8.8 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| 532904-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 96% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Toluene-d8 | 104% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 532904

| 532904-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371746 | 05/19/25 | 05/19/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 371858 | 05/20/25 | 05/21/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **150** | | mg/L | 5.0 | | 2.5 | 371695 | 05/17/25 | 05/17/25 | WWC |
| Alkalinity, Total as CaCO3 | **150** | | mg/L | 5.0 | | 2.5 | 371695 | 05/17/25 | 05/17/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,400** | | mg/L | 20 | | 2 | 371485 | 05/15/25 | 05/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| Sample ID: DW-31 | Lab ID: 532904-004 | Collected: 05/12/25 13:26 |
|---|---|---|
| | Matrix: Water | |

| 532904-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.27** | | mg/L | 0.20 | 0.072 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 21:13 | KUM |
| Chloride | **87** | | mg/L | 1.0 | 0.27 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 21:13 | KUM |
| Bromide | **0.49** | | mg/L | 0.30 | 0.060 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 21:13 | KUM |
| Nitrogen, Nitrate | **0.59** | | mg/L | 0.10 | 0.05 | 1 | 371207 | 05/13/25 15:00 | 05/13/25 21:13 | KUM |
| Sulfate | **370** | | mg/L | 10 | 2.5 | 10 | 371207 | 05/13/25 15:00 | 05/13/25 21:34 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.060** | J | mg/L | 0.10 | 0.050 | 1 | 371452 | 05/15/25 | 05/16/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **37** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.58** | | mg/L | 0.050 | 0.0055 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Calcium | **200** | | mg/L | 0.57 | 0.57 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Iron | **0.12** | | mg/L | 0.046 | 0.046 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Magnesium | **37** | | mg/L | 0.10 | 0.025 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Manganese | **0.15** | | mg/L | 0.010 | 0.0029 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Potassium | **1.4** | | mg/L | 0.50 | 0.40 | 1 | 371213 | 05/13/25 | 05/14/25 | CAP |
| Sodium | **120** | | mg/L | 0.50 | 0.35 | 1 | 371213 | 05/13/25 | 05/13/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Acetone | ND | | ug/L | 100 | 8.8 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| 532904-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 94% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Toluene-d8 | 104% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 532904

| 532904-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | **6.5** | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371746 | 05/19/25 | 05/19/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **12** | | mg/L | 1.0 | 0.68 | 1 | 371858 | 05/20/25 | 05/21/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **480** | | mg/L | 5.0 | | 2.5 | 371695 | 05/17/25 | 05/17/25 | WWC |
| Alkalinity, Total as CaCO3 | **480** | | mg/L | 5.0 | | 2.5 | 371695 | 05/17/25 | 05/17/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,200** | | mg/L | 20 | | 2 | 371485 | 05/15/25 | 05/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| Sample ID: QCFB | Lab ID: 532904-005 | Collected: 05/12/25 10:57 |
|---|---|---|
| | Matrix: Water | |

| 532904-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Acetone | ND | | ug/L | 100 | 8.8 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Methylene Chloride | **2.5** | J | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chloroform | **0.7** | J | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| 532904-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 96% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Toluene-d8 | 105% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 371296 | 05/14/25 | 05/14/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| Sample ID: QCTB | Lab ID: 532904-006 | Collected: 05/12/25 |
|---|---|---|
| | Matrix: Water | |

| 532904-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | H | ug/L | 5.0 | 0.5 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Freon 12 | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Chloromethane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Vinyl Chloride | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Bromomethane | ND | H | ug/L | 5.0 | 0.4 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Chloroethane | ND | H,b | ug/L | 5.0 | 0.3 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Trichlorofluoromethane | ND | H | ug/L | 5.0 | 0.08 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Acetone | ND | H | ug/L | 100 | 21 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Freon 113 | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,1-Dichloroethene | ND | H | ug/L | 5.0 | 0.08 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Methylene Chloride | ND | H | ug/L | 5.0 | 2.4 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| MTBE | ND | H | ug/L | 5.0 | 0.09 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| trans-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,1-Dichloroethane | ND | H | ug/L | 5.0 | 0.09 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 2-Butanone | ND | H | ug/L | 100 | 1.7 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| cis-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 2,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Chloroform | **0.6** | H,J | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Bromochloromethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,1,1-Trichloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,1-Dichloropropene | ND | H | ug/L | 5.0 | 0.08 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Carbon Tetrachloride | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,2-Dichloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Benzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Trichloroethene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Bromodichloromethane | ND | H | ug/L | 5.0 | 0.08 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Dibromomethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | H | ug/L | 5.0 | 1.0 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| cis-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.06 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Toluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| trans-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,1,2-Trichloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,3-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Tetrachloroethene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Dibromochloromethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,2-Dibromoethane | ND | H | ug/L | 5.0 | 0.07 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Chlorobenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Ethylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| m,p-Xylenes | ND | H | ug/L | 10 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| o-Xylene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Styrene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Bromoform | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Isopropylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 532904

| 532904-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,2,3-Trichloropropane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Propylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Bromobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 2-Chlorotoluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 4-Chlorotoluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| tert-Butylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| sec-Butylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| para-Isopropyl Toluene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,3-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,4-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| n-Butylbenzene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,2-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Hexachlorobutadiene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Naphthalene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 115% | | %REC | 70-130 | | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Toluene-d8 | 105% | | %REC | 70-130 | | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |
| Bromofluorobenzene | 103% | | %REC | 70-130 | | 1 | 372134 | 05/23/25 | 05/23/25 | LYZ |

H Holding time was exceeded
J Estimated value
ND Not Detected
b See narrative



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1256928 | **Batch:** 371207 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1256928 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.072 | 05/13/25 15:00 | 05/13/25 15:18 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 05/13/25 15:00 | 05/13/25 15:18 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 05/13/25 15:00 | 05/13/25 15:18 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 05/13/25 15:00 | 05/13/25 15:18 |
| Sulfate | ND | | mg/L | 1.0 | 0.25 | 05/13/25 15:00 | 05/13/25 15:18 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1256929 | **Batch:** 371207 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1256929 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.035 | 10.00 | mg/L | 90% | | 90-110 |
| Chloride | 47.35 | 50.00 | mg/L | 95% | | 90-110 |
| Bromide | 14.99 | 15.00 | mg/L | 100% | | 90-110 |
| Nitrogen, Nitrate | 4.568 | 4.518 | mg/L | 101% | | 90-110 |
| Sulfate | 25.22 | 25.00 | mg/L | 101% | | 90-110 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1256955 | **Batch:** 371207 |
| **Matrix (Source ID):** Water (532914-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1256955 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 22.11 | 0.7953 | 20.00 | mg/L | 107% | | 80-120 | 1 |
| Chloride | 111.2 | 8.717 | 100.0 | mg/L | 102% | | 80-120 | 1 |
| Bromide | 15.23 | ND | 15.00 | mg/L | 102% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.391 | 0.08229 | 9.036 | mg/L | 103% | | 80-120 | 1 |
| Sulfate | 61.96 | 11.33 | 50.00 | mg/L | 101% | | 80-120 | 1 |

| | | |
|---|---|---|
| **Type:** Matrix Spike Duplicate | **Lab ID:** QC1256956 | **Batch:** 371207 |
| **Matrix (Source ID):** Water (532914-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1256956 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 22.27 | 0.7953 | 20.00 | mg/L | 107% | | 80-120 | 1 | 20 | 1 |
| Chloride | 111.5 | 8.717 | 100.0 | mg/L | 103% | | 80-120 | 0 | 20 | 1 |
| Bromide | 15.33 | ND | 15.00 | mg/L | 102% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.410 | 0.08229 | 9.036 | mg/L | 103% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 62.04 | 11.33 | 50.00 | mg/L | 101% | | 80-120 | 0 | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1257717 | Batch: | 371452 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532857-002) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1257717 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.096 | ND | 1.000 | mg/L | 110% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1257718 | Batch: | 371452 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532857-002) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1257718 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.053 | ND | 1.000 | mg/L | 105% | | 90-110 | 4 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1257719 | Batch: | 371452 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532857-003) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1257719 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.116 | 0.09377 | 1.000 | mg/L | 102% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1257720 | Batch: | 371452 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532857-003) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1257720 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.134 | 0.09377 | 1.000 | mg/L | 104% | | 90-110 | 2 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1257721 | Batch: | 371452 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1257721 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 05/15/25 | 05/16/25 |

| Type: | Lab Control Sample | Lab ID: | QC1257722 | Batch: | 371452 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1257722 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.082 | 1.000 | mg/L | 108% | | 90-110 |

| Type: | Blank | Lab ID: | QC1258937 | Batch: | 371828 |
|---|---|---|---|---|---|
| Matrix: | Drinking Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1258937 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 05/20/25 | 05/21/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1258939** | **Batch:** | **371828** |
| **Matrix:** | **Drinking Water** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1258939 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.035 | 1.000 | mg/L | 104% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1258942** | **Batch:** | **371828** |
| **Matrix (Source ID):** | **Water (532904-001)** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1258942 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.391 | 0.3277 | 1.000 | mg/L | 106% | | 90-110 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1258943** | **Batch:** | **371828** |
| **Matrix (Source ID):** | **Water (532904-001)** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1258943 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.394 | 0.3277 | 1.000 | mg/L | 107% | | 90-110 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1259838** | **Batch:** | **372078** |
| **Matrix:** | **Water** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1259838 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 05/22/25 | 05/23/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1259839** | **Batch:** | **372078** |
| **Matrix:** | **Water** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1259839 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 110.0 | 100.0 | mg/L | 110% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1259840** | **Batch:** | **372078** |
| **Matrix (Source ID):** | **Water (533035-004)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1259840 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 120.0 | 8.000 | 100.0 | mg/L | 112% | | 75-125 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1259841** | **Batch:** | **372078** |
| **Matrix (Source ID):** | **Water (533035-004)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1259841 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 114.0 | 8.000 | 100.0 | mg/L | 106% | | 75-125 | 5 | 20 | 2 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1259842 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533265-004) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259842 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 112.0 | 8.000 | 100.0 | mg/L | 104% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1259843 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533265-004) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259843 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 116.0 | 8.000 | 100.0 | mg/L | 108% | | 75-125 | 4 | 20 | 2 |

| Type: | Blank | Lab ID: | QC1256951 | Batch: | 371213 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1256951 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 05/13/25 | 05/13/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 05/13/25 | 05/13/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 05/13/25 | 05/13/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 05/13/25 | 05/13/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 05/13/25 | 05/13/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 05/13/25 | 05/14/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 05/13/25 | 05/13/25 |

| Type: | Lab Control Sample | Lab ID: | QC1256952 | Batch: | 371213 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1256952 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3586 | 0.4000 | mg/L | 90% | | 80-120 |
| Calcium | 18.92 | 20.40 | mg/L | 93% | | 80-120 |
| Iron | 0.3684 | 0.4000 | mg/L | 92% | | 80-120 |
| Magnesium | 18.88 | 20.40 | mg/L | 93% | | 80-120 |
| Manganese | 0.3611 | 0.4000 | mg/L | 90% | | 80-120 |
| Potassium | 21.57 | 24.00 | mg/L | 90% | | 80-120 |
| Sodium | 18.53 | 20.40 | mg/L | 91% | | 80-120 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1256953 | Batch: | 371213 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532904-004) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1256953 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.9341 | 0.5824 | 0.4000 | mg/L | 88% | | 75-125 | 1 |
| Calcium | 214.6 | 197.3 | 20.40 | mg/L | 85% | NM | 75-125 | 1 |
| Iron | 0.4847 | 0.1237 | 0.4000 | mg/L | 90% | | 75-125 | 1 |
| Magnesium | 55.11 | 36.71 | 20.40 | mg/L | 90% | | 75-125 | 1 |
| Manganese | 0.4990 | 0.1468 | 0.4000 | mg/L | 88% | | 75-125 | 1 |
| Potassium | 23.63 | 1.437 | 24.00 | mg/L | 92% | | 75-125 | 1 |
| Sodium | 140.4 | 122.9 | 20.40 | mg/L | 86% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1256954 | Batch: | 371213 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532904-004) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1256954 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.9303 | 0.5824 | 0.4000 | mg/L | 87% | | 75-125 | 0 | 20 | 1 |
| Calcium | 215.0 | 197.3 | 20.40 | mg/L | 86% | NM | 75-125 | 0 | 20 | 1 |
| Iron | 0.4827 | 0.1237 | 0.4000 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Magnesium | 55.12 | 36.71 | 20.40 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Manganese | 0.4936 | 0.1468 | 0.4000 | mg/L | 87% | | 75-125 | 1 | 20 | 1 |
| Potassium | 23.23 | 1.437 | 24.00 | mg/L | 91% | | 75-125 | 2 | 20 | 1 |
| Sodium | 139.9 | 122.9 | 20.40 | mg/L | 83% | NM | 75-125 | 0 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1257044 | Batch: | 371213 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532904-004) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1257044 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.5818 | 0.5824 | mg/L | | | | 5 |
| Calcium | 196.2 | 197.3 | mg/L | | | | 5 |
| Iron | ND | 0.1237 | mg/L | | | | 5 |
| Magnesium | 37.03 | 36.71 | mg/L | | | | 5 |
| Manganese | 0.1447 | 0.1468 | mg/L | | | | 5 |
| Potassium | ND | 1.437 | mg/L | | | | 5 |
| Sodium | 122.0 | 122.9 | mg/L | | | | 5 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1257232 | Batch: 371296 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1257232 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 44.12 | 50.00 | ug/L | 88% | | 70-135 |
| MTBE | 45.73 | 50.00 | ug/L | 91% | | 70-130 |
| Benzene | 47.05 | 50.00 | ug/L | 94% | | 70-130 |
| Trichloroethene | 51.49 | 50.00 | ug/L | 103% | | 70-130 |
| Toluene | 52.49 | 50.00 | ug/L | 105% | | 70-130 |
| Chlorobenzene | 52.50 | 50.00 | ug/L | 105% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 46.63 | 50.00 | ug/L | 93% | | 70-130 |
| 1,2-Dichloroethane-d4 | 46.51 | 50.00 | ug/L | 93% | | 70-130 |
| Toluene-d8 | 53.02 | 50.00 | ug/L | 106% | | 70-130 |
| Bromofluorobenzene | 50.83 | 50.00 | ug/L | 102% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1257233 | Batch: 371296 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1257233 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 40.34 | 50.00 | ug/L | 81% | | 70-135 | 9 | 30 |
| MTBE | 44.50 | 50.00 | ug/L | 89% | | 70-130 | 3 | 30 |
| Benzene | 43.54 | 50.00 | ug/L | 87% | | 70-130 | 8 | 30 |
| Trichloroethene | 47.33 | 50.00 | ug/L | 95% | | 70-130 | 8 | 30 |
| Toluene | 47.52 | 50.00 | ug/L | 95% | | 70-130 | 10 | 30 |
| Chlorobenzene | 47.45 | 50.00 | ug/L | 95% | | 70-130 | 10 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 46.27 | 50.00 | ug/L | 93% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 46.82 | 50.00 | ug/L | 94% | | 70-130 | | |
| Toluene-d8 | 52.49 | 50.00 | ug/L | 105% | | 70-130 | | |
| Bromofluorobenzene | 51.07 | 50.00 | ug/L | 102% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1257237 | **Batch:** 371296 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1257237 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 05/14/25 | 05/14/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 05/14/25 | 05/14/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 05/14/25 | 05/14/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 05/14/25 | 05/14/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 05/14/25 | 05/14/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 05/14/25 | 05/14/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 05/14/25 | 05/14/25 |
| Acetone | ND | | ug/L | 100 | 8.8 | 05/14/25 | 05/14/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 05/14/25 | 05/14/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/14/25 | 05/14/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 0.2 | 05/14/25 | 05/14/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 05/14/25 | 05/14/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/14/25 | 05/14/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 05/14/25 | 05/14/25 |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 05/14/25 | 05/14/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 05/14/25 | 05/14/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 05/14/25 | 05/14/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.07 | 05/14/25 | 05/14/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 05/14/25 | 05/14/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 05/14/25 | 05/14/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 05/14/25 | 05/14/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 05/14/25 | 05/14/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 05/14/25 | 05/14/25 |
| Benzene | ND | | ug/L | 5.0 | 0.07 | 05/14/25 | 05/14/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 05/14/25 | 05/14/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 05/14/25 | 05/14/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 05/14/25 | 05/14/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 05/14/25 | 05/14/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 05/14/25 | 05/14/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 05/14/25 | 05/14/25 |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 05/14/25 | 05/14/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 05/14/25 | 05/14/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 05/14/25 | 05/14/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/14/25 | 05/14/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 05/14/25 | 05/14/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 05/14/25 | 05/14/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 05/14/25 | 05/14/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 05/14/25 | 05/14/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 05/14/25 | 05/14/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 05/14/25 | 05/14/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 05/14/25 | 05/14/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 05/14/25 | 05/14/25 |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 05/14/25 | 05/14/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 05/14/25 | 05/14/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 05/14/25 | 05/14/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 05/14/25 | 05/14/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 05/14/25 | 05/14/25 |

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# Batch QC

| QC1257237 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 05/14/25 | 05/14/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 05/14/25 | 05/14/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 05/14/25 | 05/14/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 05/14/25 | 05/14/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 05/14/25 | 05/14/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 05/14/25 | 05/14/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 05/14/25 | 05/14/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 05/14/25 | 05/14/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 05/14/25 | 05/14/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 05/14/25 | 05/14/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 05/14/25 | 05/14/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 05/14/25 | 05/14/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 05/14/25 | 05/14/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 05/14/25 | 05/14/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/14/25 | 05/14/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 05/14/25 | 05/14/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 05/14/25 | 05/14/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 05/14/25 | 05/14/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 05/14/25 | 05/14/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 05/14/25 | 05/14/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 05/14/25 | 05/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 96% | | %REC | 70-130 | | 05/14/25 | 05/14/25 |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 05/14/25 | 05/14/25 |
| Toluene-d8 | 105% | | %REC | 70-130 | | 05/14/25 | 05/14/25 |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 05/14/25 | 05/14/25 |

**Type:** Matrix Spike **Lab ID:** QC1257313 **Batch:** 371296
**Matrix (Source ID):** Water (532904-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1257313 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 14.91 | ND | 20.00 | ug/L | 75% | | 70-130 | 1 |
| MTBE | 16.93 | ND | 20.00 | ug/L | 85% | | 75-130 | 1 |
| Benzene | 16.71 | ND | 20.00 | ug/L | 84% | | 70-130 | 1 |
| Trichloroethene | 19.04 | ND | 20.00 | ug/L | 95% | | 63-130 | 1 |
| Toluene | 18.93 | ND | 20.00 | ug/L | 95% | | 70-130 | 1 |
| Chlorobenzene | 18.99 | ND | 20.00 | ug/L | 95% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 46.59 | | 50.00 | ug/L | 93% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 47.41 | | 50.00 | ug/L | 95% | | 70-130 | 1 |
| Toluene-d8 | 53.32 | | 50.00 | ug/L | 107% | | 70-130 | 1 |
| Bromofluorobenzene | 50.08 | | 50.00 | ug/L | 100% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1257314 | Batch: | 371296 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532904-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1257314 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 15.57 | ND | 20.00 | ug/L | 78% | | 70-130 | 4 | 30 | 1 |
| MTBE | 17.11 | ND | 20.00 | ug/L | 86% | | 75-130 | 1 | 30 | 1 |
| Benzene | 17.28 | ND | 20.00 | ug/L | 86% | | 70-130 | 3 | 30 | 1 |
| Trichloroethene | 19.54 | ND | 20.00 | ug/L | 98% | | 63-130 | 3 | 30 | 1 |
| Toluene | 19.47 | ND | 20.00 | ug/L | 97% | | 70-130 | 3 | 30 | 1 |
| Chlorobenzene | 19.56 | ND | 20.00 | ug/L | 98% | | 70-130 | 3 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 45.93 | | 50.00 | ug/L | 92% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 47.12 | | 50.00 | ug/L | 94% | | 70-130 | | | 1 |
| Toluene-d8 | 53.73 | | 50.00 | ug/L | 107% | | 70-130 | | | 1 |
| Bromofluorobenzene | 49.22 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1260031 | Batch: | 372134 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1260031 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 59.19 | 50.00 | ug/L | 118% | | 70-135 |
| MTBE | 57.71 | 50.00 | ug/L | 115% | | 70-130 |
| Benzene | 51.49 | 50.00 | ug/L | 103% | | 70-130 |
| Trichloroethene | 52.20 | 50.00 | ug/L | 104% | | 70-130 |
| Toluene | 52.66 | 50.00 | ug/L | 105% | | 70-130 |
| Chlorobenzene | 54.86 | 50.00 | ug/L | 110% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 57.88 | 50.00 | ug/L | 116% | | 70-130 |
| 1,2-Dichloroethane-d4 | 49.07 | 50.00 | ug/L | 98% | | 70-130 |
| Toluene-d8 | 50.30 | 50.00 | ug/L | 101% | | 70-130 |
| Bromofluorobenzene | 47.99 | 50.00 | ug/L | 96% | | 70-130 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1260032 | Batch: | 372134 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1260032 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 58.10 | 50.00 | ug/L | 116% | | 70-135 | 2 | 30 |
| MTBE | 57.37 | 50.00 | ug/L | 115% | | 70-130 | 1 | 30 |
| Benzene | 50.97 | 50.00 | ug/L | 102% | | 70-130 | 1 | 30 |
| Trichloroethene | 53.12 | 50.00 | ug/L | 106% | | 70-130 | 2 | 30 |
| Toluene | 52.90 | 50.00 | ug/L | 106% | | 70-130 | 0 | 30 |
| Chlorobenzene | 55.25 | 50.00 | ug/L | 110% | | 70-130 | 1 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 56.13 | 50.00 | ug/L | 112% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 49.11 | 50.00 | ug/L | 98% | | 70-130 | | |
| Toluene-d8 | 50.80 | 50.00 | ug/L | 102% | | 70-130 | | |
| Bromofluorobenzene | 48.06 | 50.00 | ug/L | 96% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1260036 | **Batch:** 372134 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1260036 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 05/23/25 | 05/23/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 05/23/25 | 05/23/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 05/23/25 | 05/23/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 05/23/25 | 05/23/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 05/23/25 | 05/23/25 |
| Acetone | ND | | ug/L | 100 | 21 | 05/23/25 | 05/23/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 05/23/25 | 05/23/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 05/23/25 | 05/23/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 05/23/25 | 05/23/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 05/23/25 | 05/23/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 05/23/25 | 05/23/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 05/23/25 | 05/23/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 05/23/25 | 05/23/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 05/23/25 | 05/23/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 05/23/25 | 05/23/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 05/23/25 | 05/23/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 05/23/25 | 05/23/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 05/23/25 | 05/23/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 05/23/25 | 05/23/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1260036 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 05/23/25 | 05/23/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 05/23/25 | 05/23/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/23/25 | 05/23/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 05/23/25 | 05/23/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 05/23/25 | 05/23/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 05/23/25 | 05/23/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 05/23/25 | 05/23/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 05/23/25 | 05/23/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 05/23/25 | 05/23/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 05/23/25 | 05/23/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 05/23/25 | 05/23/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 115% | | %REC | 70-130 | | 05/23/25 | 05/23/25 |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 05/23/25 | 05/23/25 |
| Toluene-d8 | 105% | | %REC | 70-130 | | 05/23/25 | 05/23/25 |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 05/23/25 | 05/23/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1260073** | **Batch:** | **372134** |
| **Matrix (Source ID):** | **Water (533402-002)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1260073 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 110.2 | 8.426 | 100.0 | ug/L | 102% | | 70-130 | 5 |
| MTBE | 94.86 | ND | 100.0 | ug/L | 95% | | 75-130 | 5 |
| Benzene | 92.43 | ND | 100.0 | ug/L | 92% | | 70-130 | 5 |
| Trichloroethene | 97.36 | ND | 100.0 | ug/L | 97% | | 63-130 | 5 |
| Toluene | 95.33 | ND | 100.0 | ug/L | 95% | | 70-130 | 5 |
| Chlorobenzene | 99.39 | ND | 100.0 | ug/L | 99% | | 70-130 | 5 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 281.4 | | 250.0 | ug/L | 113% | | 70-130 | 5 |
| 1,2-Dichloroethane-d4 | 242.4 | | 250.0 | ug/L | 97% | | 70-130 | 5 |
| Toluene-d8 | 259.5 | | 250.0 | ug/L | 104% | | 70-130 | 5 |
| Bromofluorobenzene | 246.3 | | 250.0 | ug/L | 99% | | 70-130 | 5 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1260074 | Batch: | 372134 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533402-002) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1260074 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 116.8 | 8.426 | 100.0 | ug/L | 108% | | 70-130 | 6 | 30 | 5 |
| MTBE | 102.2 | ND | 100.0 | ug/L | 102% | | 75-130 | 7 | 30 | 5 |
| Benzene | 97.30 | ND | 100.0 | ug/L | 97% | | 70-130 | 5 | 30 | 5 |
| Trichloroethene | 98.09 | ND | 100.0 | ug/L | 98% | | 63-130 | 1 | 30 | 5 |
| Toluene | 97.66 | ND | 100.0 | ug/L | 98% | | 70-130 | 2 | 30 | 5 |
| Chlorobenzene | 101.0 | ND | 100.0 | ug/L | 101% | | 70-130 | 2 | 30 | 5 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 295.5 | | 250.0 | ug/L | 118% | | 70-130 | | | 5 |
| 1,2-Dichloroethane-d4 | 249.9 | | 250.0 | ug/L | 100% | | 70-130 | | | 5 |
| Toluene-d8 | 252.7 | | 250.0 | ug/L | 101% | | 70-130 | | | 5 |
| Bromofluorobenzene | 246.0 | | 250.0 | ug/L | 98% | | 70-130 | | | 5 |

| Type: | Blank | Lab ID: | QC1258160 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258160 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 05/16/25 | 05/17/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 05/16/25 | 05/17/25 |

| Type: | Lab Control Sample | Lab ID: | QC1258161 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258161 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.28 | 10.00 | ug/L | 103% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.14 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1258162 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258162 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.938 | 10.00 | ug/L | 99% | | 80-120 | 3 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.839 | 10.00 | ug/L | 98% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1258632 | Batch: | 371746 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1258632 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 05/19/25 | 05/19/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1258633** | **Batch:** | **371746** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1258633 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1258636** | **Batch:** | **371746** |
| **Matrix (Source ID):** | **Drinking Water (532877-003)** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1258636 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | ND | 1.000 | mg/L | 90% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1258637** | **Batch:** | **371746** |
| **Matrix (Source ID):** | **Drinking Water (532877-003)** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1258637 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | ND | 1.000 | mg/L | 90% | | 80-120 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1259105** | **Batch:** | **371858** |
| **Matrix:** | **Water** | **Method:** | **SM 5310B** | **Prep Method:** | **SM 5310B** |

| QC1259105 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 05/20/25 | 05/20/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1259106** | **Batch:** | **371858** |
| **Matrix:** | **Water** | **Method:** | **SM 5310B** | **Prep Method:** | **SM 5310B** |

| QC1259106 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 22.89 | 25.00 | mg/L | 92% | | 85-115 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1259111** | **Batch:** | **371858** |
| **Matrix (Source ID):** | **Water (532753-003)** | **Method:** | **SM 5310B** | **Prep Method:** | **SM 5310B** |

| QC1259111 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 27.34 | 1.229 | 25.00 | mg/L | 104% | | 75-125 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1259112** | **Batch:** | **371858** |
| **Matrix (Source ID):** | **Water (532753-003)** | **Method:** | **SM 5310B** | **Prep Method:** | **SM 5310B** |

| QC1259112 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.43 | 1.229 | 25.00 | mg/L | 109% | | 75-125 | 4 | 25 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

**Type: Blank** **Lab ID: QC1258532** **Batch: 371695**
**Matrix: Water** **Method: SM2320B** **Prep Method: METHOD**

| QC1258532 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 05/17/25 | 05/17/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 05/17/25 | 05/17/25 |

**Type: Lab Control Sample** **Lab ID: QC1258533** **Batch: 371695**
**Matrix: Water** **Method: SM2320B** **Prep Method: METHOD**

| QC1258533 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 954.7 | 1000 | mg/L | 95% | | 90-110 |

**Type: Sample Duplicate** **Lab ID: QC1258534** **Batch: 371695**
**Matrix (Source ID): Water (533031-006)** **Method: SM2320B** **Prep Method: METHOD**

| QC1258534 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 465.1 | 467.9 | mg/L | | 1 | 20 | 5 |
| Alkalinity, Total as CaCO3 | 465.1 | 467.9 | mg/L | | 1 | 20 | 5 |

**Type: Blank** **Lab ID: QC1257813** **Batch: 371485**
**Matrix: Water** **Method: SM2540C** **Prep Method: METHOD**

| QC1257813 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 05/15/25 | 05/18/25 |

**Type: Lab Control Sample** **Lab ID: QC1257814** **Batch: 371485**
**Matrix: Water** **Method: SM2540C** **Prep Method: METHOD**

| QC1257814 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,012 | 1000 | mg/L | 101% | | 90-110 |

**Type: Sample Duplicate** **Lab ID: QC1257815** **Batch: 371485**
**Matrix (Source ID): Water (532904-001)** **Method: SM2540C** **Prep Method: METHOD**

| QC1257815 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,162 | 1152 | mg/L | | 1 | 5 | 2 |

**Type: Sample Duplicate** **Lab ID: QC1257816** **Batch: 371485**
**Matrix (Source ID): Water (532926-008)** **Method: SM2540C** **Prep Method: METHOD**

| QC1257816 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 3,900 | 3956 | mg/L | | 1 | 5 | 4 |

# Batch QC

ND Not Detected
NM Not Meaningful

**Laboratory Job Number 532904**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2505A19

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-532904

**Project Location:**
**Project Received:** 05/15/2025

Analytical Report reviewed & approved for release on 05/20/2025 by:

Tracy Babjar
Project Manager

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2505A19

**Project:** EO-532904

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2505A19

**Project:** EO-532904

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505A19 |
| **Date Received:** | 05/15/2025 12:04 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 05/19/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-532904 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-28 | 2505A19-001A | Water | 05/12/2025 09:22 | GC26 0519250604.D | 317644 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **840** | 50 | 50 | 1 | 05/19/2025 07:32 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-8 | 2505A19-002A | Water | 05/12/2025 10:55 | GC26 0519250605.D | 317644 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **31,000** | 2500 | 2500 | 50 | 05/19/2025 07:59 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-9 | 2505A19-003A | Water | 05/12/2025 12:20 | GC26 0519250606.D | 317644 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **810** | 50 | 50 | 1 | 05/19/2025 08:29 |

Analyst(s): PRE

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505A19 |
| **Date Received:** | 05/15/2025 12:04 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 05/19/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-532904 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-31 | 2505A19-004A | Water | 05/12/2025 13:26 | GC26 0519250607.D | 317644 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **60,000** | 2500 | 2500 | 50 | 05/19/2025 09:36 |

Analyst(s): PRE

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505A19 |
| **Date Prepared:** | 05/19/2025 | **BatchID:** | 317644 |
| **Date Analyzed:** | 05/19/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-532904 | **Sample ID:** | MB/LCS/LCSD-317644 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 140 | 187.2 | 73 | 75 | 70-130 | 2.85 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2505A19** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☒ EQuIS ☒ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☒ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-532904

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 2 days;**

*Date Received:* **05/15/2025**
*Date Logged:* **05/15/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2505A19-001 | DW-28 | Water | 5/12/2025 09:22 | ☐ | A | A | | | | | | | | | | |
| 2505A19-002 | DW-8 | Water | 5/12/2025 10:55 | ☐ | A | A | | | | | | | | | | |
| 2505A19-003 | DW-9 | Water | 5/12/2025 12:20 | ☐ | A | A | | | | | | | | | | |
| 2505A19-004 | DW-31 | Water | 5/12/2025 13:26 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Adrianna Cardoza**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-532904
**Comments:**

**Work Order:** 2505A19
**QC Level:** LEVEL 2
**Date Logged:** 5/15/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-28 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 5/12/2025 9:22 | 2 days | 5/19/2025 | None | ☐ | ☐ |
| 002A | DW-8 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 5/12/2025 10:55 | 2 days | 5/19/2025 | Present | ☐ | ☐ |
| 003A | DW-9 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 5/12/2025 12:20 | 2 days | 5/19/2025 | None | ☐ | ☐ |
| 004A | DW-31 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 5/12/2025 13:26 | 2 days | 5/19/2025 | None | ☐ | ☐ |

**NOTES:** *** STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2505A19

HOLD TIME RUSH

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243667
PO #: PO-079649

Enthalpy Order: EO-532904
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-28 | 12-MAY-2025 09:22 | 532904-001 | 3 | Water | RSK-175 CO2 | |
| DW-8 | 12-MAY-2025 10:55 | 532904-002 | 3 | Water | RSK-175 CO2 | |
| DW-9 | 12-MAY-2025 12:20 | 532904-003 | 3 | Water | RSK-175 CO2 | |
| DW-31 | 12-MAY-2025 13:26 | 532904-004 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Anna Kolcut | |
| | Date: 5-14-25 16:20 | Date: 5.15.25 1204 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1.5 wt.
IR43

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 5/15/2025 12:04 |
| Project: | EO-532904 | Date Logged: | 5/15/2025 |
| | | Received by: | Adrianna Cardoza |
| WorkOrder №: | 2505A19 Matrix: Water | Logged by: | Adrianna Cardoza |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | |
|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA ☐ |

## Sample Receipt Information

| | | | | | |
|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | NA ☐ |
| Custody seals intact on sample bottles? | Yes | ☑ | No | ☐ | NA ☐ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | |
| Sample containers intact? | Yes | ☑ | No | ☐ | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | |
|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | |
| (Ice Type: WET ICE ) | | | | | |
| Sample/Temp Blank temperature | Temp: 1.5°C | | | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA ☑ |

UCMR Samples:

| | | | | | |
|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA ☑ |

Comments:


Page 48 of 48

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 533035
Report Level : II
Report Date : 05/29/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo<br>Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 533035<br>GW MONITORING<br>Quarterly MPars<br>05/13/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-12 | 533035-001 | 05/13/25 08:38 | Water |
| DW-7 | 533035-002 | 05/13/25 09:35 | Water |
| DW-18 | 533035-003 | 05/13/25 10:37 | Water |
| DW-21 | 533035-004 | 05/13/25 11:20 | Water |
| DW-29 | 533035-005 | 05/13/25 12:35 | Water |
| QCFB | 533035-006 | 05/13/25 09:38 | Water |
| QCTB | 533035-007 | 05/13/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 533035<br>Project No: GW MONITORING<br>Location: Quarterly MPars<br>Date Received: 05/13/25 |

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 05/14/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Many analytes were analyzed outside of hold time; affected data was qualified with "H".
- QCFB (lab # 533035-006) and QCTB (lab # 533035-007) had pH greater than 2.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**

- Ammonia-N was detected between the MDL and the RL in the method blank for batch 372054; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 533035

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** 3.7 | 3.3 | 1.3 rad (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

**Test Instructions / Comments**

Login 533035

**Quarterly MPars**

**cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-12 | 5/13/25 | 838 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-7 | | 935 | | | | X | X | X | X | X | X | X | X | X |
| 3 | DW-18 | | 1037 | | | | X | X | X | X | X | X | X | X | X |
| 4 | DW-21 | | 1120 | | | | X | X | X | X | X | X | X | X | X |
| 5 | DW-29 | | 1235 | | | | X | X | X | X | X | X | X | X | X |
| 6 | QCFB | | 938 | | 3 | | X | | | | | | | | |
| 7 | QCTB | — | — | | 2 | | X | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 5/13/25 1:36 |
| [1] Received By: | | ALICE TAHMASIAN | EA/NH | 5/13/25 1:36 |
| [2] Relinquished By: | | Alice Tahmasian | EA/NH | 5/14/25 0815 |
| [2] Received By: | | Hrag B. | EA-NH | 5/14/25 0815 |
| [3] Relinquished By: | | Hrag B. | EA-NH | 5/14/25 1115 |
| [3] Received By: | | G Kim | EA | 5/14/25 1115 |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 05-13-25 WO# _____ Client: Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: walk in

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 05-13-25 By (initials) AXT Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7°C

Cooler Temp (°C) #1: 11.7 / 11°C #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)**_____ **(sign)**_____

**Date Labeled** _____ **By (print)**_____ **(sign)**_____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 5/14/25 WO# 533035 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 5/14/25 By (initials) AGR Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR 13 CF: 0

Cooler Temp (°C) #1: 3.3 / 3.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| Section 4: Containers / Labels / Samples | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | x | | |
| 2) Is the sampler's name present on the CoC? | x | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | x | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | x | | |
| 5) Were all of, and only, the correct samples received? | x | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | x | | |
| 7) Does the container count match the CoC? | x | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | x | | |
| 9) Were samples received in proper containers for the analyses requested? | ~~x~~ | x | |
| 10) Were samples received with > 1/2 holding time remaining? | ~~x~~ | x | |
| 11) Are samples properly preserved as indicated by CoC / labels? | x | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | x |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | x | |

GCK 5/14/25

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.9) Samples out thru COS: TOC bottle not received.

4.13) QCTB: 1 of 2 vials > 6mm.

☐ **No additional discrepancies**

**Date Logged** 5/13/25 **By (print)** GCK **(sign)** _____

**Date Labeled** 5/13/25 **By (print)** ~~AGT~~ AGR **(sign)** _____

6"L

ENTHALPY ANALYTICAL

# Analysis Results for 533035

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 533035
Project No: GW MONITORING
Location: Quarterly MPars
Date Received: 05/13/25

**Sample ID: DW-12** **Lab ID: 533035-001** **Collected: 05/13/25 08:38**
**Matrix: Water**

| 533035-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.62** | | mg/L | 0.20 | 0.072 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 21:07 | KUM |
| Chloride | **190** | | mg/L | 1.0 | 0.27 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 21:07 | KUM |
| Bromide | **0.74** | | mg/L | 0.30 | 0.060 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 21:07 | KUM |
| Nitrogen, Nitrate | **3.6** | | mg/L | 0.10 | 0.05 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 21:07 | KUM |
| Sulfate | **300** | | mg/L | 10 | 2.5 | 10 | 371329 | 05/14/25 13:10 | 05/14/25 21:28 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.055** | B,J | mg/L | 0.10 | 0.050 | 1 | 372054 | 05/22/25 | 05/22/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **13** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.21** | | mg/L | 0.050 | 0.0055 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Calcium | **24** | | mg/L | 0.57 | 0.57 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Magnesium | **3.0** | | mg/L | 0.10 | 0.025 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Potassium | **1.7** | | mg/L | 0.50 | 0.40 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Sodium | **280** | | mg/L | 0.50 | 0.34 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| 533035-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| 533035-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene-d8 | 106% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371821 | 05/20/25 | 05/20/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **2.1** | | mg/L | 1.0 | 0.68 | 1 | 372370 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **160** | | mg/L | 10 | | 5 | 371759 | 05/19/25 | 05/19/25 | WWC |
| Alkalinity, Total as CaCO3 | **160** | | mg/L | 10 | | 5 | 371759 | 05/19/25 | 05/19/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **950** | | mg/L | 20 | | 2 | 371752 | 05/19/25 | 05/20/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| Sample ID: DW-7 | Lab ID: 533035-002 | Collected: 05/13/25 09:35 |
|---|---|---|
| | Matrix: Water | |

| 533035-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.17** | J | mg/L | 0.20 | 0.072 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 22:30 | SSN |
| Chloride | **81** | | mg/L | 1.0 | 0.27 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 22:30 | SSN |
| Bromide | **0.17** | J | mg/L | 0.30 | 0.060 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 22:30 | SSN |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 22:30 | SSN |
| Sulfate | **650** | | mg/L | 10 | 2.5 | 10 | 371329 | 05/14/25 13:10 | 05/14/25 23:33 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 372054 | 05/22/25 | 05/22/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **11** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.17** | | mg/L | 0.050 | 0.0055 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Calcium | **34** | | mg/L | 0.57 | 0.57 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Magnesium | **1.6** | | mg/L | 0.10 | 0.025 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Potassium | **1.1** | | mg/L | 0.50 | 0.40 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Sodium | **330** | | mg/L | 0.50 | 0.34 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| 533035-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 105% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane-d4 | 96% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene-d8 | 105% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 533035

| 533035-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 98% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371821 | 05/20/25 | 05/20/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.90** | J | mg/L | 1.0 | 0.68 | 1 | 372370 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **99** | | mg/L | 2.5 | | 1.3 | 371759 | 05/19/25 | 05/19/25 | WWC |
| Alkalinity, Total as CaCO3 | **99** | | mg/L | 2.5 | | 1.3 | 371759 | 05/19/25 | 05/19/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,200** | | mg/L | 20 | | 2 | 371752 | 05/19/25 | 05/20/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| Sample ID: DW-18 | Lab ID: 533035-003 | Collected: 05/13/25 10:37 |
|---|---|---|
| | Matrix: Water | |

| 533035-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.25** | | mg/L | 0.20 | 0.072 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 23:54 | SSN |
| Chloride | **110** | | mg/L | 1.0 | 0.27 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 23:54 | SSN |
| Bromide | **0.31** | | mg/L | 0.30 | 0.060 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 23:54 | SSN |
| Nitrogen, Nitrate | **2.8** | | mg/L | 0.10 | 0.05 | 1 | 371329 | 05/14/25 13:10 | 05/14/25 23:54 | SSN |
| Sulfate | **340** | | mg/L | 10 | 2.5 | 10 | 371329 | 05/14/25 13:10 | 05/15/25 00:15 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 372054 | 05/22/25 | 05/22/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **21** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.32** | | mg/L | 0.050 | 0.0055 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Calcium | **25** | | mg/L | 0.57 | 0.57 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Magnesium | **2.0** | | mg/L | 0.10 | 0.025 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Potassium | **1.5** | | mg/L | 0.50 | 0.40 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Sodium | **280** | | mg/L | 0.50 | 0.34 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| 533035-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene-d8 | 106% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 533035

| 533035-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371821 | 05/20/25 | 05/20/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **4.3** | | mg/L | 1.0 | 0.68 | 1 | 372370 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **240** | | mg/L | 10 | | 5 | 371759 | 05/19/25 | 05/19/25 | WWC |
| Alkalinity, Total as CaCO3 | **240** | | mg/L | 10 | | 5 | 371759 | 05/19/25 | 05/19/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **950** | | mg/L | 20 | | 2 | 371752 | 05/19/25 | 05/20/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| Sample ID: DW-21 | Lab ID: 533035-004 | Collected: 05/13/25 11:20 |
|---|---|---|
| | Matrix: Water | |

| 533035-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.90** | | mg/L | 0.20 | 0.072 | 1 | 371329 | 05/14/25 13:10 | 05/15/25 00:36 | SSN |
| Chloride | **54** | | mg/L | 1.0 | 0.27 | 1 | 371329 | 05/14/25 13:10 | 05/15/25 00:36 | SSN |
| Bromide | **0.15** | J | mg/L | 0.30 | 0.060 | 1 | 371329 | 05/14/25 13:10 | 05/15/25 00:36 | SSN |
| Nitrogen, Nitrate | **0.11** | | mg/L | 0.10 | 0.05 | 1 | 371329 | 05/14/25 13:10 | 05/15/25 00:36 | SSN |
| Sulfate | **120** | | mg/L | 10 | 2.5 | 10 | 371329 | 05/14/25 13:10 | 05/15/25 00:56 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 372054 | 05/22/25 | 05/22/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **8.0** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.26** | | mg/L | 0.050 | 0.0055 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Calcium | **3.7** | | mg/L | 0.57 | 0.57 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Iron | **0.24** | | mg/L | 0.046 | 0.046 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Magnesium | **0.20** | | mg/L | 0.10 | 0.025 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Potassium | **0.46** | J | mg/L | 0.50 | 0.40 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Sodium | **140** | | mg/L | 0.50 | 0.34 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| 533035-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane-d4 | 102% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene-d8 | 103% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 533035

| 533035-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371821 | 05/20/25 | 05/20/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.3** | | mg/L | 1.0 | 0.68 | 1 | 372370 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **110** | | mg/L | 2.5 | | 1.3 | 371759 | 05/19/25 | 05/19/25 | WWC |
| Alkalinity, Total as CaCO3 | **140** | | mg/L | 2.5 | | 1.3 | 371759 | 05/19/25 | 05/19/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **460** | | mg/L | 20 | | 2 | 371752 | 05/19/25 | 05/20/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| Sample ID: DW-29 | Lab ID: 533035-005 | Collected: 05/13/25 12:35 |
|---|---|---|
| | Matrix: Water | |

| 533035-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.38** | | mg/L | 0.20 | 0.072 | 1 | 371329 | 05/14/25 13:10 | 05/15/25 01:17 | SSN |
| Chloride | **94** | | mg/L | 1.0 | 0.27 | 1 | 371329 | 05/14/25 13:10 | 05/15/25 01:17 | SSN |
| Bromide | **0.29** | J | mg/L | 0.30 | 0.060 | 1 | 371329 | 05/14/25 13:10 | 05/15/25 01:17 | SSN |
| Nitrogen, Nitrate | **2.2** | | mg/L | 0.10 | 0.05 | 1 | 371329 | 05/14/25 13:10 | 05/15/25 01:17 | SSN |
| Sulfate | **370** | | mg/L | 10 | 2.5 | 10 | 371329 | 05/14/25 13:10 | 05/15/25 01:38 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 372054 | 05/22/25 | 05/22/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **26** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.38** | | mg/L | 0.050 | 0.0055 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Calcium | **73** | | mg/L | 0.57 | 0.57 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Iron | **0.093** | | mg/L | 0.046 | 0.046 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Magnesium | **9.4** | | mg/L | 0.10 | 0.025 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Manganese | **0.14** | | mg/L | 0.010 | 0.0029 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Potassium | **1.4** | | mg/L | 0.50 | 0.40 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Sodium | **250** | | mg/L | 0.50 | 0.34 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| 533035-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene-d8 | 104% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 533035

| 533035-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371821 | 05/20/25 | 05/20/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **7.7** | | mg/L | 1.0 | 0.68 | 1 | 372370 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **270** | | mg/L | 10 | | 5 | 371759 | 05/19/25 | 05/19/25 | WWC |
| Alkalinity, Total as CaCO3 | **270** | | mg/L | 10 | | 5 | 371759 | 05/19/25 | 05/19/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,000** | | mg/L | 20 | | 2 | 371752 | 05/19/25 | 05/20/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| Sample ID: QCFB | Lab ID: 533035-006 | Collected: 05/13/25 09:38 |
|---|---|---|
| | Matrix: Water | |

| 533035-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | H | ug/L | 5.0 | 0.5 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 12 | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloromethane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Vinyl Chloride | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromomethane | ND | H | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroethane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichlorofluoromethane | ND | H | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Acetone | ND | H | ug/L | 100 | 21 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 113 | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethene | ND | H | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Methylene Chloride | **2.9** | H,J | ug/L | 5.0 | 2.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| MTBE | ND | H | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethane | ND | H | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Butanone | ND | H | ug/L | 100 | 1.7 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroform | **0.7** | H,J | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromochloromethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1-Trichloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloropropene | ND | H | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Carbon Tetrachloride | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Benzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichloroethene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromodichloromethane | ND | H | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromomethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Methyl-2-Pentanone | ND | H | ug/L | 5.0 | 1.0 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.06 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2-Trichloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Tetrachloroethene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromochloromethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromoethane | ND | H | ug/L | 5.0 | 0.07 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chlorobenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Ethylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| m,p-Xylenes | ND | H | ug/L | 10 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| o-Xylene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Styrene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromoform | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Isopropylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| 533035-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichloropropane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Propylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Chlorotoluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Chlorotoluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| tert-Butylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| sec-Butylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| para-Isopropyl Toluene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,4-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| n-Butylbenzene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Hexachlorobutadiene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Naphthalene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene-d8 | 104% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| Sample ID: QCTB | Lab ID: 533035-007 | Collected: 05/13/25 |
|---|---|---|
| | Matrix: Water | |

| 533035-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | H | ug/L | 5.0 | 0.5 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 12 | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloromethane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Vinyl Chloride | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromomethane | ND | H | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroethane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichlorofluoromethane | ND | H | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Acetone | ND | H | ug/L | 100 | 21 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Freon 113 | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethene | ND | H | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Methylene Chloride | ND | H | ug/L | 5.0 | 2.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| MTBE | ND | H | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloroethane | ND | H | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Butanone | ND | H | ug/L | 100 | 1.7 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chloroform | **0.5** | H,J | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromochloromethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1-Trichloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1-Dichloropropene | ND | H | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Carbon Tetrachloride | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Benzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Trichloroethene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromodichloromethane | ND | H | ug/L | 5.0 | 0.08 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromomethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Methyl-2-Pentanone | ND | H | ug/L | 5.0 | 1.0 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.06 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,2-Trichloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Tetrachloroethene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Dibromochloromethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromoethane | ND | H | ug/L | 5.0 | 0.07 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Chlorobenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Ethylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| m,p-Xylenes | ND | H | ug/L | 10 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| o-Xylene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Styrene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromoform | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Isopropylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533035

| 533035-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichloropropane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Propylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 2-Chlorotoluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 4-Chlorotoluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| tert-Butylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| sec-Butylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| para-Isopropyl Toluene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,3-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,4-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| n-Butylbenzene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Hexachlorobutadiene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Naphthalene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| 1,2-Dichloroethane-d4 | 95% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Toluene-d8 | 107% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 372217 | 05/24/25 | 05/24/25 | ZST |

B Contamination found in associated Method Blank
H Holding time was exceeded
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1257295 | **Batch:** 371329 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1257295 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.072 | 05/14/25 13:10 | 05/14/25 14:09 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 05/14/25 13:10 | 05/14/25 14:09 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 05/14/25 13:10 | 05/14/25 14:09 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 05/14/25 13:10 | 05/14/25 14:09 |
| Sulfate | ND | | mg/L | 1.0 | 0.25 | 05/14/25 13:10 | 05/14/25 14:09 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1257296 | **Batch:** 371329 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1257296 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.359 | 10.00 | mg/L | 94% | | 90-110 |
| Chloride | 47.25 | 50.00 | mg/L | 94% | | 90-110 |
| Bromide | 14.96 | 15.00 | mg/L | 100% | | 90-110 |
| Nitrogen, Nitrate | 4.573 | 4.518 | mg/L | 101% | | 90-110 |
| Sulfate | 25.07 | 25.00 | mg/L | 100% | | 90-110 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1257297 | **Batch:** 371329 |
| **Matrix (Source ID):** Water (533047-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1257297 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.80 | ND | 20.00 | mg/L | 99% | | 80-120 | 1 |
| Chloride | 101.7 | ND | 100.0 | mg/L | 102% | | 80-120 | 1 |
| Bromide | 15.13 | ND | 15.00 | mg/L | 101% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.360 | ND | 9.036 | mg/L | 104% | | 80-120 | 1 |
| Sulfate | 55.42 | 4.711 | 50.00 | mg/L | 101% | | 80-120 | 1 |

| | | |
|---|---|---|
| **Type:** Matrix Spike Duplicate | **Lab ID:** QC1257298 | **Batch:** 371329 |
| **Matrix (Source ID):** Water (533047-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1257298 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.95 | ND | 20.00 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |
| Chloride | 101.8 | ND | 100.0 | mg/L | 102% | | 80-120 | 0 | 20 | 1 |
| Bromide | 15.22 | ND | 15.00 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.353 | ND | 9.036 | mg/L | 104% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 55.53 | 4.711 | 50.00 | mg/L | 102% | | 80-120 | 0 | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1257443 | Batch: | 371329 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533035-002) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1257443 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 22.00 | 0.1746 | 20.00 | mg/L | 109% | | 80-120 | 1 |
| Chloride | 181.7 | 81.44 | 100.0 | mg/L | 100% | | 80-120 | 1 |
| Bromide | 15.43 | 0.1694 | 15.00 | mg/L | 102% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.330 | ND | 9.036 | mg/L | 103% | | 80-120 | 1 |
| Sulfate | 525.8 | 649.6 | 50.00 | mg/L | -247% | E,NM | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1257444 | Batch: | 371329 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533035-002) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1257444 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 22.14 | 0.1746 | 20.00 | mg/L | 110% | | 80-120 | 1 | 20 | 1 |
| Chloride | 179.4 | 81.44 | 100.0 | mg/L | 98% | | 80-120 | 1 | 20 | 1 |
| Bromide | 15.27 | 0.1694 | 15.00 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.302 | ND | 9.036 | mg/L | 103% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 525.9 | 649.6 | 50.00 | mg/L | -247% | E,NM | 80-120 | | 20 | 1 |

| Type: | Blank | Lab ID: | QC1259748 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1259748 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.070 | J | mg/L | 0.10 | 0.050 | 05/22/25 | 05/22/25 |

| Type: | Lab Control Sample | Lab ID: | QC1259749 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1259749 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.035 | 1.000 | mg/L | 104% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1259750 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533028-003) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1259750 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.418 | 0.4299 | 1.000 | mg/L | 99% | | 90-110 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1259751 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533028-003) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1259751 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.387 | 0.4299 | 1.000 | mg/L | 96% | | 90-110 | 2 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1259758 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533028-004) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1259758 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.212 | 0.2663 | 1.000 | mg/L | 95% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1259759 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533028-004) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1259759 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.201 | 0.2663 | 1.000 | mg/L | 93% | | 90-110 | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1259838 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259838 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 05/22/25 | 05/23/25 |

| Type: | Lab Control Sample | Lab ID: | QC1259839 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259839 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 110.0 | 100.0 | mg/L | 110% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1259840 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533035-004) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259840 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 120.0 | 8.000 | 100.0 | mg/L | 112% | | 75-125 | 2 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1259841** | **Batch:** | **372078** |
| **Matrix (Source ID):** | **Water (533035-004)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1259841 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 114.0 | 8.000 | 100.0 | mg/L | 106% | | 75-125 | 5 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1259842** | **Batch:** | **372078** |
| **Matrix (Source ID):** | **Water (533265-004)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1259842 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 112.0 | 8.000 | 100.0 | mg/L | 104% | | 75-125 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1259843** | **Batch:** | **372078** |
| **Matrix (Source ID):** | **Water (533265-004)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1259843 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 116.0 | 8.000 | 100.0 | mg/L | 108% | | 75-125 | 4 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1257891** | **Batch:** | **371507** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1257891 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 05/16/25 | 05/16/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 05/16/25 | 05/16/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 05/16/25 | 05/16/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 05/16/25 | 05/16/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 05/16/25 | 05/16/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 05/16/25 | 05/16/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 05/16/25 | 05/16/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1257892** | **Batch:** | **371507** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1257892 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3621 | 0.4000 | mg/L | 91% | | 80-120 |
| Calcium | 19.48 | 20.40 | mg/L | 95% | | 80-120 |
| Iron | 0.3782 | 0.4000 | mg/L | 95% | | 80-120 |
| Magnesium | 19.37 | 20.40 | mg/L | 95% | | 80-120 |
| Manganese | 0.3739 | 0.4000 | mg/L | 93% | | 80-120 |
| Potassium | 21.94 | 24.00 | mg/L | 91% | | 80-120 |
| Sodium | 18.84 | 20.40 | mg/L | 92% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1257893 | Batch: | 371507 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533146-004) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1257893 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.6018 | 0.2252 | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Calcium | 256.4 | 241.2 | 20.40 | mg/L | 74% | NM | 75-125 | 1 |
| Iron | 1.329 | 0.9729 | 0.4000 | mg/L | 89% | | 75-125 | 1 |
| Magnesium | 51.97 | 33.43 | 20.40 | mg/L | 91% | | 75-125 | 1 |
| Manganese | 0.9969 | 0.6361 | 0.4000 | mg/L | 90% | | 75-125 | 1 |
| Potassium | 24.91 | 2.539 | 24.00 | mg/L | 93% | | 75-125 | 1 |
| Sodium | 418.0 | 406.0 | 20.40 | mg/L | 59% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1257894 | Batch: | 371507 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533146-004) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1257894 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.6029 | 0.2252 | 0.4000 | mg/L | 94% | | 75-125 | 0 | 20 | 1 |
| Calcium | 256.0 | 241.2 | 20.40 | mg/L | 73% | NM | 75-125 | 0 | 20 | 1 |
| Iron | 1.333 | 0.9729 | 0.4000 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Magnesium | 51.99 | 33.43 | 20.40 | mg/L | 91% | | 75-125 | 0 | 20 | 1 |
| Manganese | 0.9965 | 0.6361 | 0.4000 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Potassium | 24.99 | 2.539 | 24.00 | mg/L | 94% | | 75-125 | 0 | 20 | 1 |
| Sodium | 423.0 | 406.0 | 20.40 | mg/L | 83% | NM | 75-125 | 1 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1258001 | Batch: | 371507 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533035-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1258001 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.1912 | 0.2142 | mg/L | J | | | 5 |
| Calcium | 22.75 | 24.39 | mg/L | | | | 5 |
| Iron | ND | ND | mg/L | | | | 5 |
| Magnesium | 2.860 | 2.976 | mg/L | | | | 5 |
| Manganese | ND | ND | mg/L | | | | 5 |
| Potassium | ND | 1.658 | mg/L | | | | 5 |
| Sodium | 274.3 | 278.3 | mg/L | | | | 5 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1260356** | **Batch:** | **372217** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1260356 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 57.35 | 50.00 | ug/L | 115% | | 70-135 |
| MTBE | 56.52 | 50.00 | ug/L | 113% | | 70-130 |
| Benzene | 51.69 | 50.00 | ug/L | 103% | | 70-130 |
| Trichloroethene | 51.53 | 50.00 | ug/L | 103% | | 70-130 |
| Toluene | 51.64 | 50.00 | ug/L | 103% | | 70-130 |
| Chlorobenzene | 53.40 | 50.00 | ug/L | 107% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 54.83 | 50.00 | ug/L | 110% | | 70-130 |
| 1,2-Dichloroethane-d4 | 50.70 | 50.00 | ug/L | 101% | | 70-130 |
| Toluene-d8 | 50.31 | 50.00 | ug/L | 101% | | 70-130 |
| Bromofluorobenzene | 47.77 | 50.00 | ug/L | 96% | | 70-130 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1260357** | **Batch:** | **372217** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1260357 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 53.12 | 50.00 | ug/L | 106% | | 70-135 | 8 | 30 |
| MTBE | 52.73 | 50.00 | ug/L | 105% | | 70-130 | 7 | 30 |
| Benzene | 48.97 | 50.00 | ug/L | 98% | | 70-130 | 5 | 30 |
| Trichloroethene | 49.20 | 50.00 | ug/L | 98% | | 70-130 | 5 | 30 |
| Toluene | 49.84 | 50.00 | ug/L | 100% | | 70-130 | 4 | 30 |
| Chlorobenzene | 51.37 | 50.00 | ug/L | 103% | | 70-130 | 4 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.72 | 50.00 | ug/L | 105% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 48.69 | 50.00 | ug/L | 97% | | 70-130 | | |
| Toluene-d8 | 50.73 | 50.00 | ug/L | 101% | | 70-130 | | |
| Bromofluorobenzene | 47.77 | 50.00 | ug/L | 96% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1260361 | **Batch:** 372217 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1260361 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 05/24/25 | 05/24/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 05/24/25 | 05/24/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 05/24/25 | 05/24/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 05/24/25 | 05/24/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 05/24/25 | 05/24/25 |
| Acetone | ND | | ug/L | 100 | 21 | 05/24/25 | 05/24/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 05/24/25 | 05/24/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 05/24/25 | 05/24/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 05/24/25 | 05/24/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 05/24/25 | 05/24/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 05/24/25 | 05/24/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 05/24/25 | 05/24/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 05/24/25 | 05/24/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 05/24/25 | 05/24/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 05/24/25 | 05/24/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 05/24/25 | 05/24/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 05/24/25 | 05/24/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 05/24/25 | 05/24/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 05/24/25 | 05/24/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |

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# Batch QC

| QC1260361 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 05/24/25 | 05/24/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 05/24/25 | 05/24/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/24/25 | 05/24/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 05/24/25 | 05/24/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 05/24/25 | 05/24/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 05/24/25 | 05/24/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 05/24/25 | 05/24/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 05/24/25 | 05/24/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 05/24/25 | 05/24/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 05/24/25 | 05/24/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 05/24/25 | 05/24/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 05/24/25 | 05/24/25 |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 05/24/25 | 05/24/25 |
| Toluene-d8 | 103% | | %REC | 70-130 | | 05/24/25 | 05/24/25 |
| Bromofluorobenzene | 103% | | %REC | 70-130 | | 05/24/25 | 05/24/25 |

**Type:** Matrix Spike **Lab ID:** QC1260399 **Batch:** 372217
**Matrix (Source ID):** Water (533035-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1260399 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 22.75 | ND | 20.00 | ug/L | 114% | | 70-130 | 1 |
| MTBE | 20.51 | ND | 20.00 | ug/L | 103% | | 75-130 | 1 |
| Benzene | 20.26 | ND | 20.00 | ug/L | 101% | | 70-130 | 1 |
| Trichloroethene | 21.56 | ND | 20.00 | ug/L | 108% | | 63-130 | 1 |
| Toluene | 21.24 | ND | 20.00 | ug/L | 106% | | 70-130 | 1 |
| Chlorobenzene | 21.34 | ND | 20.00 | ug/L | 107% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.64 | | 50.00 | ug/L | 107% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 48.63 | | 50.00 | ug/L | 97% | | 70-130 | 1 |
| Toluene-d8 | 52.52 | | 50.00 | ug/L | 105% | | 70-130 | 1 |
| Bromofluorobenzene | 48.92 | | 50.00 | ug/L | 98% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1260400 | Batch: | 372217 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533035-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1260400 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 23.58 | ND | 20.00 | ug/L | 118% | | 70-130 | 4 | 30 | 1 |
| MTBE | 22.39 | ND | 20.00 | ug/L | 112% | | 75-130 | 9 | 30 | 1 |
| Benzene | 20.96 | ND | 20.00 | ug/L | 105% | | 70-130 | 3 | 30 | 1 |
| Trichloroethene | 22.22 | ND | 20.00 | ug/L | 111% | | 63-130 | 3 | 30 | 1 |
| Toluene | 21.99 | ND | 20.00 | ug/L | 110% | | 70-130 | 3 | 30 | 1 |
| Chlorobenzene | 22.34 | ND | 20.00 | ug/L | 112% | | 70-130 | 5 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 54.25 | | 50.00 | ug/L | 108% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 48.86 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Toluene-d8 | 52.16 | | 50.00 | ug/L | 104% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.99 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1258160 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258160 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 05/16/25 | 05/17/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 05/16/25 | 05/17/25 |

| Type: | Lab Control Sample | Lab ID: | QC1258161 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258161 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.28 | 10.00 | ug/L | 103% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.14 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1258162 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258162 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.938 | 10.00 | ug/L | 99% | | 80-120 | 3 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.839 | 10.00 | ug/L | 98% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1258929 | Batch: | 371821 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1258929 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 05/20/25 | 05/20/25 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1258930 **Batch:** 371821
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1258930 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1258931 **Batch:** 371821
**Matrix (Source ID):** Water (532992-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1258931 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.8000 | ND | 1.000 | mg/L | 80% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1258932 **Batch:** 371821
**Matrix (Source ID):** Water (532992-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1258932 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.8000 | ND | 1.000 | mg/L | 80% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1260865 **Batch:** 372370
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260865 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 05/27/25 | 05/27/25 |

**Type:** Lab Control Sample **Lab ID:** QC1260868 **Batch:** 372370
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260868 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 24.86 | 25.00 | mg/L | 99% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1260869 **Batch:** 372370
**Matrix (Source ID):** Water (533258-003) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260869 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.04 | 4.059 | 25.00 | mg/L | 96% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1260870 **Batch:** 372370
**Matrix (Source ID):** Water (533258-003) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260870 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 27.55 | 4.059 | 25.00 | mg/L | 94% | | 75-125 | 2 | 25 | 1 |

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# Batch QC

**Type: Blank** **Lab ID: QC1258682** **Batch: 371759**
**Matrix: Water** **Method: SM2320B** **Prep Method: METHOD**

| QC1258682 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 05/19/25 | 05/19/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 05/19/25 | 05/19/25 |

**Type: Lab Control Sample** **Lab ID: QC1258683** **Batch: 371759**
**Matrix: Water** **Method: SM2320B** **Prep Method: METHOD**

| QC1258683 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 996.5 | 1000 | mg/L | 100% | | 90-110 |

**Type: Sample Duplicate** **Lab ID: QC1258684** **Batch: 371759**
**Matrix (Source ID): Water (533217-001)** **Method: SM2320B** **Prep Method: METHOD**

| QC1258684 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 83.53 | 79.60 | mg/L | | 5 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 83.53 | 79.60 | mg/L | | 5 | 20 | 2.5 |

**Type: Blank** **Lab ID: QC1258655** **Batch: 371752**
**Matrix: Water** **Method: SM2540C** **Prep Method: METHOD**

| QC1258655 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 05/19/25 | 05/20/25 |

**Type: Lab Control Sample** **Lab ID: QC1258656** **Batch: 371752**
**Matrix: Water** **Method: SM2540C** **Prep Method: METHOD**

| QC1258656 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 988.0 | 1000 | mg/L | 99% | | 90-110 |

**Type: Sample Duplicate** **Lab ID: QC1258657** **Batch: 371752**
**Matrix (Source ID): Water (533217-001)** **Method: SM2540C** **Prep Method: METHOD**

| QC1258657 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 200.0 | 194.0 | mg/L | | 3 | 5 | 2 |

**Type: Sample Duplicate** **Lab ID: QC1258658** **Batch: 371752**
**Matrix (Source ID): Water (533035-001)** **Method: SM2540C** **Prep Method: METHOD**

| QC1258658 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 976.0 | 954.0 | mg/L | | 2 | 5 | 2 |

# Batch QC

| | |
|---|---|
| E | Response exceeds instrument's linear range |
| J | Estimated value |
| ND | Not Detected |
| NM | Not Meaningful |

**Laboratory Job Number 533035**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2505A21

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-533035

**Project Location:**
**Project Received:** 05/15/2025

Analytical Report reviewed & approved for release on 05/20/2025 by:

Tracy Babjar
Project Manager

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2505A21

**Project:** EO-533035

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2505A21

**Project:** EO-533035

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505A21 |
| **Date Received:** | 05/15/2025 12:04 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 05/19/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-533035 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-12 | 2505A21-001A | Water | 05/13/2025 08:38 | GC26 0519250608.D | 317644 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1300** | 50 | 50 | 1 | 05/19/2025 09:54 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-7 | 2505A21-002A | Water | 05/13/2025 09:35 | GC26 0519250609.D | 317644 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **600** | 50 | 50 | 1 | 05/19/2025 10:25 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-18 | 2505A21-003A | Water | 05/13/2025 10:37 | GC26 0519250610.D | 317644 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3700** | 250 | 250 | 5 | 05/19/2025 11:19 |

Analyst(s): PRE

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505A21 |
| **Date Received:** | 05/15/2025 12:04 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 05/19/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-533035 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-21 | 2505A21-004A | Water | 05/13/2025 11:20 | GC26 0519250611.D | 317644 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **320** | 50 | 50 | 1 | 05/19/2025 12:07 |

Analyst(s): PRE

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-29 | 2505A21-005A | Water | 05/13/2025 12:35 | GC26 0519250612.D | 317644 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **11,000** | 2500 | 2500 | 50 | 05/19/2025 12:42 |

Analyst(s): PRE

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505A21 |
| **Date Prepared:** | 05/19/2025 | **BatchID:** | 317644 |
| **Date Analyzed:** | 05/19/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-533035 | **Sample ID:** | MB/LCS/LCSD-317644 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 140 | 187.2 | 73 | 75 | 70-130 | 2.85 | 30 |

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# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2505A21** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-533035

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 3 days;**

*Date Received:* **05/15/2025**
*Date Logged:* **05/15/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2505A21-001 | DW-12 | Water | 5/13/2025 08:38 | ☐ | A | A | | | | | | | | | | |
| 2505A21-002 | DW-7 | Water | 5/13/2025 09:35 | ☐ | A | A | | | | | | | | | | |
| 2505A21-003 | DW-18 | Water | 5/13/2025 10:37 | ☐ | A | A | | | | | | | | | | |
| 2505A21-004 | DW-21 | Water | 5/13/2025 11:20 | ☐ | A | A | | | | | | | | | | |
| 2505A21-005 | DW-29 | Water | 5/13/2025 12:35 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Adrianna Cardoza**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-533035 **Work Order:** 2505A21
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 5/15/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-12 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 5/13/2025 8:38 | 3 days | 5/20/2025 | None | ☐ | ☐ |
| 002A | DW-7 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 5/13/2025 9:35 | 3 days | 5/20/2025 | None | ☐ | ☐ |
| 003A | DW-18 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 5/13/2025 10:37 | 3 days | 5/20/2025 | None | ☐ | ☐ |
| 004A | DW-21 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 5/13/2025 11:20 | 3 days | 5/20/2025 | None | ☐ | ☐ |
| 005A | DW-29 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 5/13/2025 12:35 | 3 days | 5/20/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

250SIA21

HOLD TIME RUSH

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-533035
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-12 | 13-MAY-2025 08:38 | 533035-001 | 3 | Water | RSK-175 CO2 | |
| DW-7 | 13-MAY-2025 09:35 | 533035-002 | 3 | Water | RSK-175 CO2 | |
| DW-18 | 13-MAY-2025 10:37 | 533035-003 | 3 | Water | RSK-175 CO2 | |
| DW-21 | 13-MAY-2025 11:20 | 533035-004 | 3 | Water | RSK-175 CO2 | |
| DW-29 | 13-MAY-2025 12:35 | 533035-005 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Anna Reuter | |
| | Date: 5-14-25 16:20 | Date: 5.15.25 1204 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1.5 wt.
IR43

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 5/15/2025 12:04 |
| Project: | EO-533035 | Date Logged: | 5/15/2025 |
| | | Received by: | Adrianna Cardoza |
| WorkOrder №: | 2505A21 Matrix: Water | Logged by: | Adrianna Cardoza |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | NA ☐ |
| Custody seals intact on sample bottles? | Yes ☑ | No ☐ | NA ☐ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 1.5°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☑ | No ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:


Page 48 of 48

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 533146
Report Level : II
Report Date : 06/02/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill, Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 533146<br>GW MONITORING<br>Chiquita Canyon Landfill, Quarterly MPars<br>05/14/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-14 | 533146-001 | 05/14/25 09:04 | Water |
| PZ-4 | 533146-002 | 05/14/25 10:20 | Water |
| DW-17 | 533146-003 | 05/14/25 11:26 | Water |
| DW-15 | 533146-004 | 05/14/25 12:46 | Water |
| QCFB | 533146-005 | 05/14/25 11:29 | Water |
| QCTB | 533146-006 | 05/14/25 00:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 533146<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill, Quarterly MPars<br>Date Received: 05/14/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 05/14/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recoveries were observed for benzene in the MS/MSD for batch 372276; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits.
- Many analytes were analyzed outside of hold time; affected data was qualified with "H".
- QCFB (lab # 533146-005) and QCTB (lab # 533146-006) had pH greater than 2.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD for batch 372527; affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**

- Ammonia-N was detected between the MDL and the RL in the method blank for batch 372054.
- No other analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**

McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

Login 533146

# Chain of Custody Record

Lab No: 533146

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-14 | 5/14/25 | 904 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | PZ-4 | " | 1020 | " | " | " | X | X | X | X | X | X | X | X | X |
| 3 | DW-17 | " | 1126 | " | " | " | X | X | X | X | X | X | X | X | X |
| 4 | DW-15 | " | 1246 | " | " | " | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | " | 1129 | " | 3 | " | X | | | | | | | | |
| 6 | QCTB | — | — | " | 2 | " | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Analysis Request**

IA 13

3.0/3.0

**Quarterly MPars**

**cc report to:**
**pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

**Test Instructions / Comments**

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 5/14/25 2:15 |
| [1] Received By: | | Alice Tahmasian | EA/NH | 5/14/25 2:15 |
| [2] Relinquished By: | | Alice Tahmasian | EA/NH | 5/15/25 0900 |
| [2] Received By: | | Hrag B | EA-NH | 5/15/25 0900 |
| [3] Relinquished By: | | Hrag B. | EA-NH | 5/15/25 1045 |
| [3] Received By: | | NIMS | EA | 5-15-25 1350 |

NIMS EA 5-15-25 1435 EA 5/15/25 1435

5 of 47

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 05-14-25 WO# _____ Client: Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: walkin

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 5/14/25 By (initials) AXT Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7°C

Cooler Temp (°C) #1: 6.8 / 6.1 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)**_____ **(sign)**_____

**Date Labeled** _____ **By (print)**_____ **(sign)**_____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 05/15/25 WO# 533146 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 05/15/25 By (initials) NG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 13 CF: 0

Cooler Temp (°C) #1: 3.0 / 3.0 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | x | | |
| 2) Is the sampler's name present on the CoC? | x | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | x | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | x |
| 5) Were all of, and only, the correct samples received? | x | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | x | | |
| 7) Does the container count match the CoC? | x | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | x | | |
| 9) Were samples received in proper containers for the analyses requested? | | x | |
| 10) Were samples received with > 1/2 holding time remaining? | x | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | x* | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | x |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | x | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4-9) No dedicated container for TOC

☐ **No additional discrepancies**

**Date Logged** 05/15/25 **By (print)** FPD **(sign)** _____

**Date Labeled** 05/15/25 **By (print)** GLM **(sign)** GM

ENTHALPY ANALYTICAL

# Analysis Results for 533146

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 533146
Project No: GW MONITORING
Location: Chiquita Canyon Landfill, Quarterly MPars
Date Received: 05/14/25

**Sample ID: DW-14** **Lab ID: 533146-001** **Collected: 05/14/25 09:04**
**Matrix: Water**

| 533146-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.41** | | mg/L | 0.20 | 0.073 | 1 | 372527 | 05/29/25 08:49 | 05/29/25 12:42 | AJL |
| Chloride | **94** | | mg/L | 1.0 | 0.27 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 21:34 | KUM |
| Bromide | **0.14** | J | mg/L | 0.30 | 0.060 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 21:34 | KUM |
| Nitrogen, Nitrate | **0.32** | | mg/L | 0.10 | 0.05 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 21:34 | KUM |
| Sulfate | **30** | | mg/L | 1.0 | 0.25 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 21:34 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 372054 | 05/22/25 | 05/22/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **9.0** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.12** | | mg/L | 0.050 | 0.0055 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Calcium | **2.9** | | mg/L | 0.57 | 0.57 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Iron | **0.25** | | mg/L | 0.046 | 0.046 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Magnesium | **0.22** | | mg/L | 0.10 | 0.025 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Manganese | **0.0030** | J | mg/L | 0.010 | 0.0029 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Potassium | **0.48** | J | mg/L | 0.50 | 0.40 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Sodium | **140** | | mg/L | 0.50 | 0.34 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533146

| 533146-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Propylbenzene | **0.1** | J | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Naphthalene | **0.9** | J | ug/L | 5.0 | 0.5 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533146

| 533146-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371867 | 05/20/25 | 05/20/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 372370 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **150** | | mg/L | 5.0 | | 2.5 | 371760 | 05/19/25 | 05/19/25 | WWC |
| Alkalinity, Total as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 371760 | 05/19/25 | 05/19/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **410** | | mg/L | 20 | | 2 | 371831 | 05/20/25 | 05/21/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533146

| Sample ID: PZ-4 | Lab ID: 533146-002 | Collected: 05/14/25 10:20 |
|---|---|---|
| | Matrix: Water | |

| 533146-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.57** | | mg/L | 0.20 | 0.073 | 1 | 372527 | 05/29/25 08:49 | 05/29/25 12:58 | AJL |
| Chloride | **59** | | mg/L | 1.0 | 0.27 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 21:55 | KUM |
| Bromide | **0.16** | J | mg/L | 0.30 | 0.060 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 21:55 | KUM |
| Nitrogen, Nitrate | **1.2** | | mg/L | 0.10 | 0.05 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 21:55 | KUM |
| Sulfate | **140** | | mg/L | 10 | 2.5 | 10 | 371436 | 05/15/25 11:30 | 05/15/25 22:16 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 372054 | 05/22/25 | 05/22/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **23** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.32** | | mg/L | 0.050 | 0.0055 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Calcium | **55** | | mg/L | 0.57 | 0.57 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Magnesium | **10** | | mg/L | 0.10 | 0.025 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Potassium | **2.1** | | mg/L | 0.50 | 0.40 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Sodium | **180** | | mg/L | 0.50 | 0.34 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Freon 12 | **0.7** | J | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533146

| 533146-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromofluorobenzene | 106% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 533146

| 533146-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 98% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371867 | 05/20/25 | 05/20/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **5.7** | | mg/L | 1.0 | 0.68 | 1 | 372370 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **400** | | mg/L | 5.0 | | 2.5 | 371760 | 05/19/25 | 05/19/25 | WWC |
| Alkalinity, Total as CaCO3 | **400** | | mg/L | 5.0 | | 2.5 | 371760 | 05/19/25 | 05/19/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **720** | | mg/L | 20 | | 2 | 371831 | 05/20/25 | 05/21/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533146

| Sample ID: DW-17 | Lab ID: 533146-003 | Collected: 05/14/25 11:26 |
|---|---|---|
| | Matrix: Water | |

| 533146-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.17** | J | mg/L | 0.20 | 0.073 | 1 | 372527 | 05/29/25 08:49 | 05/29/25 13:15 | AJL |
| Chloride | **150** | | mg/L | 1.0 | 0.27 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 22:37 | KUM |
| Bromide | **0.36** | | mg/L | 0.30 | 0.060 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 22:37 | KUM |
| Nitrogen, Nitrate | **1.0** | | mg/L | 0.10 | 0.05 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 22:37 | KUM |
| Sulfate | **190** | | mg/L | 10 | 2.5 | 10 | 371436 | 05/15/25 11:30 | 05/15/25 22:58 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 372054 | 05/22/25 | 05/22/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **4.0** | | mg/L | 4.0 | 2.0 | 1 | 372796 | 05/31/25 | 05/31/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.084** | | mg/L | 0.050 | 0.0055 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Calcium | **5.0** | | mg/L | 0.57 | 0.57 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Iron | ND | | mg/L | 0.046 | 0.046 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Magnesium | **0.14** | | mg/L | 0.10 | 0.025 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Potassium | **0.63** | | mg/L | 0.50 | 0.40 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Sodium | **220** | | mg/L | 0.50 | 0.34 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 533146

| 533146-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 96% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromofluorobenzene | 105% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 533146

| 533146-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 98% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371867 | 05/20/25 | 05/20/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 372370 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **95** | | mg/L | 5.0 | | 2.5 | 371760 | 05/19/25 | 05/19/25 | WWC |
| Alkalinity, Total as CaCO3 | **140** | | mg/L | 5.0 | | 2.5 | 371760 | 05/19/25 | 05/19/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **700** | | mg/L | 20 | | 2 | 371831 | 05/20/25 | 05/21/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533146

| Sample ID: DW-15 | Lab ID: 533146-004 | Collected: 05/14/25 12:46 |
|---|---|---|
| | Matrix: Water | |

| 533146-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 1 | 372527 | 05/29/25 08:49 | 05/29/25 13:32 | AJL |
| Chloride | **76** | | mg/L | 1.0 | 0.27 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 23:19 | KUM |
| Bromide | **0.19** | J | mg/L | 0.30 | 0.060 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 23:19 | KUM |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 371436 | 05/15/25 11:30 | 05/15/25 23:19 | KUM |
| Sulfate | **1,500** | | mg/L | 20 | 4.9 | 20 | 371436 | 05/15/25 11:30 | 05/15/25 23:40 | KUM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.16** | B | mg/L | 0.10 | 0.050 | 1 | 372054 | 05/22/25 | 05/22/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **10** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.23** | | mg/L | 0.050 | 0.0055 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Calcium | **240** | | mg/L | 0.57 | 0.57 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Iron | **0.97** | | mg/L | 0.046 | 0.046 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Magnesium | **33** | | mg/L | 0.10 | 0.025 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Manganese | **0.64** | | mg/L | 0.010 | 0.0029 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Potassium | **2.5** | | mg/L | 0.50 | 0.40 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Sodium | **410** | | mg/L | 0.50 | 0.34 | 1 | 371507 | 05/16/25 | 05/16/25 | SBW |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 533146

| 533146-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,4-Dichlorobenzene | **0.2** | J | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 100% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| 1,2-Dichloroethane-d4 | 102% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 533146

| 533146-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371867 | 05/20/25 | 05/20/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.96** | J | mg/L | 1.0 | 0.68 | 1 | 372370 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 371760 | 05/19/25 | 05/19/25 | WWC |
| Alkalinity, Total as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 371760 | 05/19/25 | 05/19/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **2,400** | | mg/L | 20 | | 2 | 371831 | 05/20/25 | 05/21/25 | RDL |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 533146

| Sample ID: QCFB | Lab ID: 533146-005 | Collected: 05/14/25 11:29 |
|---|---|---|
| | Matrix: Water | |

| 533146-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Freon 12 | ND | H | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Chloromethane | ND | H | ug/L | 5.0 | 0.4 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Vinyl Chloride | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromomethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Chloroethane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Trichlorofluoromethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Acetone | ND | H | ug/L | 100 | 44 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Freon 113 | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1-Dichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Methylene Chloride | ND | H | ug/L | 5.0 | 3.5 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| MTBE | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| trans-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1-Dichloroethane | ND | H | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 2-Butanone | ND | H | ug/L | 100 | 2.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| cis-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 2,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Chloroform | **0.6** | H,J | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromochloromethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1,1-Trichloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1-Dichloropropene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Carbon Tetrachloride | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dichloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Benzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Trichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromodichloromethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Dibromomethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 4-Methyl-2-Pentanone | ND | H | ug/L | 5.0 | 0.9 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| cis-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Toluene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| trans-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1,2-Trichloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,3-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Tetrachloroethene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Dibromochloromethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dibromoethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Chlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1,1,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Ethylbenzene | ND | H | ug/L | 5.0 | 0.07 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| m,p-Xylenes | ND | H | ug/L | 10 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| o-Xylene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Styrene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromoform | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Isopropylbenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533146

| 533146-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2,3-Trichloropropane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Propylbenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,3,5-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 2-Chlorotoluene | ND | H | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 4-Chlorotoluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| tert-Butylbenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2,4-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| sec-Butylbenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| para-Isopropyl Toluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,3-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,4-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| n-Butylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dibromo-3-Chloropropane | ND | H | ug/L | 5.0 | 1.0 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2,4-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Hexachlorobutadiene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Naphthalene | ND | H | ug/L | 5.0 | 0.5 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2,3-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| cis-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.7 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| trans-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.8 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 100% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromofluorobenzene | 103% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533146

| Sample ID: QCTB | Lab ID: 533146-006 | Collected: 05/14/25 |
|---|---|---|
| | Matrix: Water | |

| 533146-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Freon 12 | ND | H | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Chloromethane | ND | H | ug/L | 5.0 | 0.4 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Vinyl Chloride | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromomethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Chloroethane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Trichlorofluoromethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Acetone | ND | H | ug/L | 100 | 44 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Freon 113 | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1-Dichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Methylene Chloride | ND | H | ug/L | 5.0 | 3.5 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| MTBE | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| trans-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1-Dichloroethane | ND | H | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 2-Butanone | ND | H | ug/L | 100 | 2.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| cis-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 2,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Chloroform | **0.5** | H,J | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromochloromethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1,1-Trichloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1-Dichloropropene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Carbon Tetrachloride | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dichloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Benzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Trichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromodichloromethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Dibromomethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 4-Methyl-2-Pentanone | ND | H | ug/L | 5.0 | 0.9 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| cis-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Toluene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| trans-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1,2-Trichloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,3-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Tetrachloroethene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Dibromochloromethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dibromoethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Chlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,1,1,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Ethylbenzene | ND | H | ug/L | 5.0 | 0.07 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| m,p-Xylenes | ND | H | ug/L | 10 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| o-Xylene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Styrene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromoform | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Isopropylbenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533146

| 533146-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2,3-Trichloropropane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Propylbenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,3,5-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 2-Chlorotoluene | ND | H | ug/L | 5.0 | 0.08 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 4-Chlorotoluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| tert-Butylbenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2,4-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| sec-Butylbenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| para-Isopropyl Toluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,3-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,4-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| n-Butylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dibromo-3-Chloropropane | ND | H | ug/L | 5.0 | 1.0 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2,4-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Hexachlorobutadiene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Naphthalene | ND | H | ug/L | 5.0 | 0.5 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2,3-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| cis-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.7 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| trans-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.8 | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 99% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 372276 | 05/26/25 | 05/26/25 | TCN |

B Contamination found in associated Method Blank
H Holding time was exceeded
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1257664 | Batch: 371436 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1257664 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 05/15/25 11:30 | 05/15/25 12:11 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 05/15/25 11:30 | 05/15/25 12:11 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 05/15/25 11:30 | 05/15/25 12:11 |
| Sulfate | ND | | mg/L | 1.0 | 0.25 | 05/15/25 11:30 | 05/15/25 12:11 |

| Type: Lab Control Sample | Lab ID: QC1257665 | Batch: 371436 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1257665 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 46.75 | 50.00 | mg/L | 94% | | 90-110 |
| Bromide | 14.83 | 15.00 | mg/L | 99% | | 90-110 |
| Nitrogen, Nitrate | 4.524 | 4.518 | mg/L | 100% | | 90-110 |
| Sulfate | 24.82 | 25.00 | mg/L | 99% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1257666 | Batch: 371436 |
|---|---|---|
| Matrix (Source ID): Water (533112-001) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1257666 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 158.8 | 59.79 | 100.0 | mg/L | 99% | | 80-120 | 1 |
| Bromide | 15.11 | 0.2222 | 15.00 | mg/L | 99% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.152 | ND | 9.036 | mg/L | 101% | | 80-120 | 1 |
| Sulfate | 96.54 | 48.43 | 50.00 | mg/L | 96% | | 80-120 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1257667 | Batch: 371436 |
|---|---|---|
| Matrix (Source ID): Water (533112-001) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1257667 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 159.1 | 59.79 | 100.0 | mg/L | 99% | | 80-120 | 0 | 20 | 1 |
| Bromide | 15.09 | 0.2222 | 15.00 | mg/L | 99% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 9.206 | ND | 9.036 | mg/L | 102% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 96.47 | 48.43 | 50.00 | mg/L | 96% | | 80-120 | 0 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1257760 | Batch: 371436 |
|---|---|---|
| Matrix (Source ID): Water (533161-001) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1257760 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 101.1 | ND | 100.0 | mg/L | 101% | | 80-120 | 1 |
| Bromide | 15.05 | ND | 15.00 | mg/L | 100% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.291 | ND | 9.036 | mg/L | 103% | | 80-120 | 1 |
| Sulfate | 55.10 | 4.695 | 50.00 | mg/L | 101% | | 80-120 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1257761 | Batch: | 371436 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533161-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1257761 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 101.8 | ND | 100.0 | mg/L | 102% | | 80-120 | 1 | 20 | 1 |
| Bromide | 15.17 | ND | 15.00 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.328 | ND | 9.036 | mg/L | 103% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 55.37 | 4.695 | 50.00 | mg/L | 101% | | 80-120 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1261395 | Batch: | 372527 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1261395 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 05/29/25 08:49 | 05/29/25 10:10 |

| Type: | Lab Control Sample | Lab ID: | QC1261396 | Batch: | 372527 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1261396 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.914 | 10.00 | mg/L | 99% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1261397 | Batch: | 372527 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533587-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1261397 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.34 | 0.9893 | 20.00 | mg/L | 102% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1261398 | Batch: | 372527 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533587-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1261398 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.45 | 0.9893 | 20.00 | mg/L | 102% | | 80-120 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1259748 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1259748 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.070 | J | mg/L | 0.10 | 0.050 | 05/22/25 | 05/22/25 |

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# Batch QC

| Type: | Lab Control Sample | Lab ID: | QC1259749 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1259749 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.035 | 1.000 | mg/L | 104% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1259750 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533028-003) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1259750 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.418 | 0.4299 | 1.000 | mg/L | 99% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1259751 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533028-003) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1259751 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.387 | 0.4299 | 1.000 | mg/L | 96% | | 90-110 | 2 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1259758 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533028-004) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1259758 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.212 | 0.2663 | 1.000 | mg/L | 95% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1259759 | Batch: | 372054 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533028-004) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1259759 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.201 | 0.2663 | 1.000 | mg/L | 93% | | 90-110 | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1259838 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259838 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 05/22/25 | 05/23/25 |

| Type: | Lab Control Sample | Lab ID: | QC1259839 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259839 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 110.0 | 100.0 | mg/L | 110% | | 90-110 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1259840 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533035-004) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259840 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 120.0 | 8.000 | 100.0 | mg/L | 112% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1259841 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533035-004) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259841 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 114.0 | 8.000 | 100.0 | mg/L | 106% | | 75-125 | 5 | 20 | 2 |

| Type: | Matrix Spike | Lab ID: | QC1259842 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533265-004) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259842 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 112.0 | 8.000 | 100.0 | mg/L | 104% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1259843 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533265-004) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259843 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 116.0 | 8.000 | 100.0 | mg/L | 108% | | 75-125 | 4 | 20 | 2 |

| Type: | Matrix Spike | Lab ID: | QC1262342 | Batch: | 372796 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533146-003) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1262342 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 106.0 | 4.000 | 100.0 | mg/L | 102% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1262343 | Batch: | 372796 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533146-003) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1262343 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 110.0 | 4.000 | 100.0 | mg/L | 106% | | 75-125 | 4 | 20 | 2 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1262344 | Batch: 372796 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1262344 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 05/31/25 | 05/31/25 |

| Type: Lab Control Sample | Lab ID: QC1262345 | Batch: 372796 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1262345 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 104.0 | 100.0 | mg/L | 104% | | 90-110 |

| Type: Blank | Lab ID: QC1257891 | Batch: 371507 |
|---|---|---|
| Matrix: Water | Method: EPA 6010B | Prep Method: EPA 3015A |

| QC1257891 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 05/16/25 | 05/16/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 05/16/25 | 05/16/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 05/16/25 | 05/16/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 05/16/25 | 05/16/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 05/16/25 | 05/16/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 05/16/25 | 05/16/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 05/16/25 | 05/16/25 |

| Type: Lab Control Sample | Lab ID: QC1257892 | Batch: 371507 |
|---|---|---|
| Matrix: Water | Method: EPA 6010B | Prep Method: EPA 3015A |

| QC1257892 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3621 | 0.4000 | mg/L | 91% | | 80-120 |
| Calcium | 19.48 | 20.40 | mg/L | 95% | | 80-120 |
| Iron | 0.3782 | 0.4000 | mg/L | 95% | | 80-120 |
| Magnesium | 19.37 | 20.40 | mg/L | 95% | | 80-120 |
| Manganese | 0.3739 | 0.4000 | mg/L | 93% | | 80-120 |
| Potassium | 21.94 | 24.00 | mg/L | 91% | | 80-120 |
| Sodium | 18.84 | 20.40 | mg/L | 92% | | 80-120 |

| Type: Matrix Spike | Lab ID: QC1257893 | Batch: 371507 |
|---|---|---|
| Matrix (Source ID): Water (533146-004) | Method: EPA 6010B | Prep Method: EPA 3015A |

| QC1257893 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.6018 | 0.2252 | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Calcium | 256.4 | 241.2 | 20.40 | mg/L | 74% | NM | 75-125 | 1 |
| Iron | 1.329 | 0.9729 | 0.4000 | mg/L | 89% | | 75-125 | 1 |
| Magnesium | 51.97 | 33.43 | 20.40 | mg/L | 91% | | 75-125 | 1 |
| Manganese | 0.9969 | 0.6361 | 0.4000 | mg/L | 90% | | 75-125 | 1 |
| Potassium | 24.91 | 2.539 | 24.00 | mg/L | 93% | | 75-125 | 1 |
| Sodium | 418.0 | 406.0 | 20.40 | mg/L | 59% | NM | 75-125 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1257894 | Batch: | 371507 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533146-004) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1257894 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.6029 | 0.2252 | 0.4000 | mg/L | 94% | | 75-125 | 0 | 20 | 1 |
| Calcium | 256.0 | 241.2 | 20.40 | mg/L | 73% | NM | 75-125 | 0 | 20 | 1 |
| Iron | 1.333 | 0.9729 | 0.4000 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Magnesium | 51.99 | 33.43 | 20.40 | mg/L | 91% | | 75-125 | 0 | 20 | 1 |
| Manganese | 0.9965 | 0.6361 | 0.4000 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Potassium | 24.99 | 2.539 | 24.00 | mg/L | 94% | | 75-125 | 0 | 20 | 1 |
| Sodium | 423.0 | 406.0 | 20.40 | mg/L | 83% | NM | 75-125 | 1 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1258001 | Batch: | 371507 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533035-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1258001 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.1912 | 0.2142 | mg/L | J | | | 5 |
| Calcium | 22.75 | 24.39 | mg/L | | | | 5 |
| Iron | ND | ND | mg/L | | | | 5 |
| Magnesium | 2.860 | 2.976 | mg/L | | | | 5 |
| Manganese | ND | ND | mg/L | | | | 5 |
| Potassium | ND | 1.658 | mg/L | | | | 5 |
| Sodium | 274.3 | 278.3 | mg/L | | | | 5 |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1260541 | **Batch:** 372276 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1260541 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 05/26/25 | 05/26/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 05/26/25 | 05/26/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 05/26/25 | 05/26/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 05/26/25 | 05/26/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| Acetone | ND | | ug/L | 100 | 44 | 05/26/25 | 05/26/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 05/26/25 | 05/26/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 05/26/25 | 05/26/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 05/26/25 | 05/26/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 05/26/25 | 05/26/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 05/26/25 | 05/26/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 05/26/25 | 05/26/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 05/26/25 | 05/26/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 05/26/25 | 05/26/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 05/26/25 | 05/26/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |

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# Batch QC

| QC1260541 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 05/26/25 | 05/26/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 05/26/25 | 05/26/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 05/26/25 | 05/26/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 05/26/25 | 05/26/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 05/26/25 | 05/26/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/26/25 | 05/26/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 05/26/25 | 05/26/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 05/26/25 | 05/26/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 05/26/25 | 05/26/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 05/26/25 | 05/26/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 05/26/25 | 05/26/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 05/26/25 | 05/26/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 05/26/25 | 05/26/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 05/26/25 | 05/26/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 05/26/25 | 05/26/25 |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 05/26/25 | 05/26/25 |
| Toluene-d8 | 100% | | %REC | 70-130 | | 05/26/25 | 05/26/25 |
| Bromofluorobenzene | 104% | | %REC | 70-130 | | 05/26/25 | 05/26/25 |

**Type:** Lab Control Sample **Lab ID:** QC1260542 **Batch:** 372276
**Matrix:** Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1260542 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.75 | 50.00 | ug/L | 101% | | 70-135 |
| MTBE | 49.38 | 50.00 | ug/L | 99% | | 70-130 |
| Benzene | 50.71 | 50.00 | ug/L | 101% | | 70-130 |
| Trichloroethene | 49.55 | 50.00 | ug/L | 99% | | 70-130 |
| Toluene | 50.76 | 50.00 | ug/L | 102% | | 70-130 |
| Chlorobenzene | 52.14 | 50.00 | ug/L | 104% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 47.99 | 50.00 | ug/L | 96% | | 70-130 |
| 1,2-Dichloroethane-d4 | 47.14 | 50.00 | ug/L | 94% | | 70-130 |
| Toluene-d8 | 49.71 | 50.00 | ug/L | 99% | | 70-130 |
| Bromofluorobenzene | 49.62 | 50.00 | ug/L | 99% | | 70-130 |

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1260543** | **Batch:** | **372276** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1260543 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 47.62 | 50.00 | ug/L | 95% | | 70-135 | 6 | 30 |
| MTBE | 49.79 | 50.00 | ug/L | 100% | | 70-130 | 1 | 30 |
| Benzene | 49.38 | 50.00 | ug/L | 99% | | 70-130 | 3 | 30 |
| Trichloroethene | 50.14 | 50.00 | ug/L | 100% | | 70-130 | 1 | 30 |
| Toluene | 51.38 | 50.00 | ug/L | 103% | | 70-130 | 1 | 30 |
| Chlorobenzene | 51.28 | 50.00 | ug/L | 103% | | 70-130 | 2 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 48.72 | 50.00 | ug/L | 97% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 47.14 | 50.00 | ug/L | 94% | | 70-130 | | |
| Toluene-d8 | 50.43 | 50.00 | ug/L | 101% | | 70-130 | | |
| Bromofluorobenzene | 47.92 | 50.00 | ug/L | 96% | | 70-130 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1260549** | **Batch:** | **372276** |
| **Matrix (Source ID):** | **Water (533421-011)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1260549 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 18.07 | ND | 20.00 | ug/L | 90% | | 70-130 | 1 |
| MTBE | 23.46 | 5.251 | 20.00 | ug/L | 91% | | 75-130 | 1 |
| Benzene | 69.46 | 59.13 | 20.00 | ug/L | 52% | * | 70-130 | 1 |
| Trichloroethene | 18.77 | ND | 20.00 | ug/L | 94% | | 63-130 | 1 |
| Toluene | 18.97 | ND | 20.00 | ug/L | 95% | | 70-130 | 1 |
| Chlorobenzene | 19.31 | ND | 20.00 | ug/L | 97% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 48.11 | | 50.00 | ug/L | 96% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 50.08 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| Toluene-d8 | 50.49 | | 50.00 | ug/L | 101% | | 70-130 | 1 |
| Bromofluorobenzene | 48.66 | | 50.00 | ug/L | 97% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1260550 | Batch: | 372276 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533421-011) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1260550 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 19.32 | ND | 20.00 | ug/L | 97% | | 70-130 | 7 | 30 | 1 |
| MTBE | 24.06 | 5.251 | 20.00 | ug/L | 94% | | 75-130 | 3 | 30 | 1 |
| Benzene | 71.37 | 59.13 | 20.00 | ug/L | 61% | * | 70-130 | 3 | 30 | 1 |
| Trichloroethene | 20.48 | ND | 20.00 | ug/L | 102% | | 63-130 | 9 | 30 | 1 |
| Toluene | 20.78 | ND | 20.00 | ug/L | 104% | | 70-130 | 9 | 30 | 1 |
| Chlorobenzene | 20.80 | ND | 20.00 | ug/L | 104% | | 70-130 | 7 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 48.50 | | 50.00 | ug/L | 97% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 50.60 | | 50.00 | ug/L | 101% | | 70-130 | | | 1 |
| Toluene-d8 | 50.81 | | 50.00 | ug/L | 102% | | 70-130 | | | 1 |
| Bromofluorobenzene | 50.06 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1258160 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258160 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 05/16/25 | 05/17/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 05/16/25 | 05/17/25 |

| Type: | Lab Control Sample | Lab ID: | QC1258161 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258161 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.28 | 10.00 | ug/L | 103% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.14 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1258162 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258162 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.938 | 10.00 | ug/L | 99% | | 80-120 | 3 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.839 | 10.00 | ug/L | 98% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1259084 | Batch: | 371867 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1259084 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 05/20/25 | 05/20/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1259085 **Batch:** 371867
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1259085 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1259272 **Batch:** 371867
**Matrix (Source ID):** Drinking Water (533131-007) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1259272 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.8000 | ND | 1.000 | mg/L | 80% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1259273 **Batch:** 371867
**Matrix (Source ID):** Drinking Water (533131-007) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1259273 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.8000 | ND | 1.000 | mg/L | 80% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1260865 **Batch:** 372370
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260865 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 05/27/25 | 05/27/25 |

**Type:** Lab Control Sample **Lab ID:** QC1260868 **Batch:** 372370
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260868 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 24.86 | 25.00 | mg/L | 99% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1260869 **Batch:** 372370
**Matrix (Source ID):** Water (533258-003) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260869 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.04 | 4.059 | 25.00 | mg/L | 96% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1260870 **Batch:** 372370
**Matrix (Source ID):** Water (533258-003) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260870 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 27.55 | 4.059 | 25.00 | mg/L | 94% | | 75-125 | 2 | 25 | 1 |

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# Batch QC

| Type: Blank | Lab ID: QC1258688 | Batch: 371760 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1258688 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 05/19/25 | 05/19/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 05/19/25 | 05/19/25 |

| Type: Lab Control Sample | Lab ID: QC1258689 | Batch: 371760 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1258689 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,012 | 1000 | mg/L | 101% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1258690 | Batch: 371760 |
|---|---|---|
| Matrix (Source ID): Water (533258-006) | Method: SM2320B | Prep Method: METHOD |

| QC1258690 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 187.3 | 191.3 | mg/L | | 2 | 20 | 5 |
| Alkalinity, Total as CaCO3 | 187.3 | 191.3 | mg/L | | 2 | 20 | 5 |

| Type: Blank | Lab ID: QC1258949 | Batch: 371831 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1258949 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 05/20/25 | 05/21/25 |

| Type: Lab Control Sample | Lab ID: QC1258950 | Batch: 371831 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1258950 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,014 | 1000 | mg/L | 101% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1258951 | Batch: 371831 |
|---|---|---|
| Matrix (Source ID): Water (533225-001) | Method: SM2540C | Prep Method: METHOD |

| QC1258951 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 508.0 | 486.0 | mg/L | | 4 | 5 | 2 |

| Type: Sample Duplicate | Lab ID: QC1258952 | Batch: 371831 |
|---|---|---|
| Matrix (Source ID): Water (533214-001) | Method: SM2540C | Prep Method: METHOD |

| QC1258952 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 770.0 | 738.0 | mg/L | | 4 | 5 | 2 |

# Batch QC

| | |
|---|---|
| * | Value is outside QC limits |
| J | Estimated value |
| ND | Not Detected |
| NM | Not Meaningful |

**Laboratory Job Number 533146**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2505D17

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** PO-079649
**Project:** EO-533146

**Project Location:**
**Project Received:** 05/20/2025

Analytical Report reviewed & approved for release on 05/21/2025 by:

Jena Alfaro
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

McCampbell Analytical, Inc.
*"When Quality Counts"*

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2505D17

**Project:** EO-533146

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2505D17

**Project:** EO-533146

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505D17 |
| **Date Received:** | 05/20/2025 12:02 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 05/21/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-533146 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-14 | 2505D17-001A | Water | 05/14/2025 09:04 | GC26 0521250904.D | 317836 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **440** | 50 | 50 | 1 | 05/21/2025 10:45 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| PZ-4 | 2505D17-002A | Water | 05/14/2025 10:20 | GC26 0521250906.D | 317836 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **14,000** | 500 | 500 | 10 | 05/21/2025 11:16 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-17 | 2505D17-003A | Water | 05/14/2025 11:26 | GC26 0521250907.D | 317836 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **320** | 50 | 50 | 1 | 05/21/2025 11:27 |

Analyst(s): CLO

*(Cont.)*

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*"When Quality Counts"*

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505D17 |
| **Date Received:** | 05/20/2025 12:02 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 05/21/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-533146 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-15 | 2505D17-004A | Water | 05/14/2025 12:46 | GC26 0521250909.D | 317836 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **15,000** | 500 | 500 | 10 | 05/21/2025 13:46 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505D17 |
| **Date Prepared:** | 05/21/2025 | **BatchID:** | 317836 |
| **Date Analyzed:** | 05/21/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-533146 | **Sample ID:** | MB/LCS/LCSD-317836 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 140 | 187.2 | 74 | 76 | 70-130 | 1.81 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2505D17** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: PO-079649
Project: EO-533146

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 1 day;**

*Date Received:* **05/20/2025**
*Date Logged:* **05/20/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2505D17-001 | DW-14 | Water | 5/14/2025 09:04 | ☐ | A | A | | | | | | | | | | |
| 2505D17-002 | PZ-4 | Water | 5/14/2025 10:20 | ☐ | A | A | | | | | | | | | | |
| 2505D17-003 | DW-17 | Water | 5/14/2025 11:26 | ☐ | A | A | | | | | | | | | | |
| 2505D17-004 | DW-15 | Water | 5/14/2025 12:46 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Gemma Gomez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-533146 **Work Order:** 2505D17
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 5/20/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-14 | Water | RSK175 (CO2) | 3 | VOA w/ HCl | ☐ | ☐ | ☐ | 5/14/2025 9:04 | 1 day | 5/21/2025 | Present | ☐ | ☐ |
| 002A | PZ-4 | Water | RSK175 (CO2) | 3 | VOA w/ HCl | ☐ | ☐ | ☐ | 5/14/2025 10:20 | 1 day | 5/21/2025 | Present | ☐ | ☐ |
| 003A | DW-17 | Water | RSK175 (CO2) | 3 | VOA w/ HCl | ☐ | ☐ | ☐ | 5/14/2025 11:26 | 1 day | 5/21/2025 | Present | ☐ | ☐ |
| 004A | DW-15 | Water | RSK175 (CO2) | 3 | VOA w/ HCl | ☐ | ☐ | ☐ | 5/14/2025 12:46 | 1 day | 5/21/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2505D17

HOLD TIME RUSH

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-533146
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-14 | 14-MAY-2025 09:04 | 533146-001 | 3 | Water | RSK-175 CO2 | |
| PZ-4 | 14-MAY-2025 10:20 | 533146-002 | 3 | Water | RSK-175 CO2 | |
| DW-17 | 14-MAY-2025 11:26 | 533146-003 | 3 | Water | RSK-175 CO2 | |
| DW-15 | 14-MAY-2025 12:46 | 533146-004 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Chiara Roberts | GG |
| | Date: 5-19-25 16:26 | Date: 5/20/25 12:02 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |


GIS:563027678

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-533146

Date and Time Received: 5/20/2025 12:02
Date Logged: 5/20/2025
Received by: Gemma Gomez
Logged by: Gemma Gomez

WorkOrder №: 2505D17 Matrix: Water
Carrier: Golden State Overnight

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | NA | ☐ |
| Custody seals intact on sample bottles? | Yes | ☑ | No | ☐ | NA | ☐ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.3°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 533265
Report Level : II
Report Date : 05/30/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill, Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 533265<br>GW MONITORING<br>Chiquita Canyon Landfill, Quarterly MPars<br>05/15/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-1 | 533265-001 | 05/15/25 08:29 | Water |
| DW-30 | 533265-002 | 05/15/25 09:24 | Water |
| DW-16 | 533265-003 | 05/15/25 10:27 | Water |
| DW-3 | 533265-004 | 05/15/25 11:26 | Water |
| QCFB | 533265-005 | 05/15/25 09:26 | Water |
| QCTB | 533265-006 | 05/15/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 533265<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill, Quarterly MPars<br>Date Received: 05/15/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 05/15/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Many analytes were analyzed outside of hold time; affected data was qualified with "H".
- QCTB (lab # 533265-006) had pH greater than 2.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- High response was observed for fluoride in the CCV analyzed 05/17/25 03:56; affected data was qualified with "b".
- High response was observed for fluoride in the CCV analyzed 05/17/25 08:07; affected data was qualified with "b".
- High response was observed for fluoride in the CCV analyzed 05/17/25 09:30; affected data was qualified with "b".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

**Chain of Custody Record**

Lab No: 533265

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** 4.7/4.7 R13 +0.0 (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-1 | 5/15/25 | 829 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-30 | ↓ | 924 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 3 | DW-16 | | 1027 | | | | X | X | X | X | X | X | X | X | X |
| 4 | DW-3 | | 1126 | | ↓ | | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | ↓ | 926 | | 3 | | X | | | | | | | | |
| 6 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

**Quarterly MPars**

**cc report to:**
**pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

Login 533265

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 5/15/25 1300 |
| [1] Received By: | | Hrag B. | EA-NH | 5/15/25 1300 |
| [2] Relinquished By: | | Hrag B. | EA-NH | 5/16/25 1130 |
| [2] Received By: | | Derek P | EA | 5/16/25 1230 |
| [3] Relinquished By: | | Derek P | EA | 5/16/25 1300 |
| [3] Received By: | | Adam Bakmeyer | EA | 5/16/25 1300 |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 05-15-25 WO# _____ Client: Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walkin

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 05-15-25 By (initials) AXT Type of ice used : ☐ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7 °C

Cooler Temp (°C) #1: 12.2 / 11.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 05/16/25 WO# 533265 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 05/16/25 By (initials) DEP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 13 CF: +0.0

Cooler Temp (°C) #1: 4.7 / 4.7 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | x | | |
| 2) Is the sampler's name present on the CoC? | x | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | x | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | x |
| 5) Were all of, and only, the correct samples received? | x | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | x | | |
| 7) Does the container count match the CoC? | x | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | x | | |
| 9) Were samples received in proper containers for the analyses requested? | | | |
| 10) Were samples received with > 1/2 holding time remaining? | x | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | x | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | x |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | X | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 05/16/25 **By (print)** FPD **(sign)** _____

**Date Labeled** 05/16/25 **By (print)** GCK/YNN **(sign)** Adoj for GCK/YNN

ENTHALPY ANALYTICAL

# Analysis Results for 533265

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 533265
Project No: GW MONITORING
Location: Chiquita Canyon Landfill, Quarterly MPars
Date Received: 05/15/25

**Sample ID: DW-1** **Lab ID: 533265-001** **Collected: 05/15/25 08:29**
**Matrix: Water**

| 533265-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.79** | | mg/L | 0.20 | 0.073 | 1 | 372573 | 05/29/25 14:00 | 05/29/25 16:33 | SSN |
| Chloride | **120** | | mg/L | 1.0 | 0.27 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 14:57 | SSN |
| Bromide | **0.29** | J | mg/L | 0.30 | 0.060 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 14:57 | SSN |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 14:57 | SSN |
| Sulfate | **400** | | mg/L | 10 | 2.5 | 10 | 371559 | 05/16/25 13:45 | 05/16/25 15:18 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 372180 | 05/23/25 | 05/27/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **13** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.21** | | mg/L | 0.050 | 0.0055 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Calcium | **58** | | mg/L | 0.57 | 0.57 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Magnesium | **11** | | mg/L | 0.10 | 0.025 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Manganese | **0.047** | | mg/L | 0.010 | 0.0029 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Potassium | **2.3** | | mg/L | 0.50 | 0.40 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Sodium | **220** | | mg/L | 0.50 | 0.34 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,1-Dichloroethane | **0.1** | J | ug/L | 5.0 | 0.09 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| 533265-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Tetrachloroethene | **0.2** | J | ug/L | 5.0 | 0.09 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| 533265-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Toluene-d8 | 105% | | %REC | 70-130 | | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371971 | 05/21/25 | 05/21/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.83** | J | mg/L | 1.0 | 0.68 | 1 | 372371 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 371872 | 05/20/25 | 05/20/25 | WWC |
| Alkalinity, Total as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 371872 | 05/20/25 | 05/20/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **950** | | mg/L | 20 | | 2 | 371769 | 05/19/25 | 05/20/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| Sample ID: DW-30 | Lab ID: 533265-002 | Collected: 05/15/25 09:24 |
|---|---|---|
| | Matrix: Water | |

| 533265-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.92** | | mg/L | 0.20 | 0.073 | 1 | 372573 | 05/29/25 14:00 | 05/29/25 16:50 | SSN |
| Chloride | **59** | | mg/L | 1.0 | 0.27 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 15:39 | SSN |
| Bromide | **0.16** | J | mg/L | 0.30 | 0.060 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 15:39 | SSN |
| Nitrogen, Nitrate | **0.22** | | mg/L | 0.10 | 0.05 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 15:39 | SSN |
| Sulfate | **350** | | mg/L | 10 | 2.5 | 10 | 371559 | 05/16/25 13:45 | 05/16/25 16:00 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 372180 | 05/23/25 | 05/27/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **11** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.21** | | mg/L | 0.050 | 0.0055 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Calcium | **38** | | mg/L | 0.57 | 0.57 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Iron | **0.24** | | mg/L | 0.046 | 0.046 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Magnesium | **5.9** | | mg/L | 0.10 | 0.025 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Manganese | **0.039** | | mg/L | 0.010 | 0.0029 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Potassium | **1.6** | | mg/L | 0.50 | 0.40 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Sodium | **190** | | mg/L | 0.50 | 0.34 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| 533265-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Tetrachloroethene | **0.5** | J | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 95% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Toluene-d8 | 104% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 533265

| 533265-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 98% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371971 | 05/21/25 | 05/21/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 372371 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **170** | | mg/L | 5.0 | | 2.5 | 371872 | 05/20/25 | 05/20/25 | WWC |
| Alkalinity, Total as CaCO3 | **170** | | mg/L | 5.0 | | 2.5 | 371872 | 05/20/25 | 05/20/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **800** | | mg/L | 20 | | 2 | 371769 | 05/19/25 | 05/20/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| Sample ID: DW-16 | Lab ID: 533265-003 | Collected: 05/15/25 10:27 |
|---|---|---|
| | Matrix: Water | |

| 533265-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.43** | | mg/L | 0.20 | 0.073 | 1 | 372573 | 05/29/25 14:00 | 05/29/25 17:06 | SSN |
| Chloride | **110** | | mg/L | 1.0 | 0.27 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 16:21 | SSN |
| Bromide | **0.29** | J | mg/L | 0.30 | 0.060 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 16:21 | SSN |
| Nitrogen, Nitrate | **2.4** | | mg/L | 0.10 | 0.05 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 16:21 | SSN |
| Sulfate | **200** | | mg/L | 10 | 2.5 | 10 | 371559 | 05/16/25 13:45 | 05/16/25 16:42 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 372180 | 05/23/25 | 05/27/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **12** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.13** | | mg/L | 0.050 | 0.0055 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Calcium | **6.7** | | mg/L | 0.57 | 0.57 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Magnesium | **0.39** | | mg/L | 0.10 | 0.025 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Potassium | **0.73** | | mg/L | 0.50 | 0.40 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Sodium | **230** | | mg/L | 0.50 | 0.34 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Vinyl Chloride | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Trichlorofluoromethane | **0.1** | J | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloroethane | **1.2** | J | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,2-Dichloroethene | **0.9** | J | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloroform | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| 533265-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Trichloroethene | **0.7** | J | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Tetrachloroethene | **0.7** | J | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,4-Dichlorobenzene | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 96% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Toluene-d8 | 105% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 533265

| 533265-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371971 | 05/21/25 | 05/21/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.7** | | mg/L | 1.0 | 0.68 | 1 | 372371 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **230** | | mg/L | 5.0 | | 2.5 | 371872 | 05/20/25 | 05/20/25 | WWC |
| Alkalinity, Total as CaCO3 | **230** | | mg/L | 5.0 | | 2.5 | 371872 | 05/20/25 | 05/20/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **730** | | mg/L | 20 | | 2 | 371769 | 05/19/25 | 05/20/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| Sample ID: DW-3 | Lab ID: 533265-004 | Collected: 05/15/25 11:26 |
|---|---|---|
| | Matrix: Water | |

| 533265-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.69** | | mg/L | 0.20 | 0.073 | 1 | 372573 | 05/29/25 14:00 | 05/29/25 17:57 | SSN |
| Chloride | **59** | | mg/L | 1.0 | 0.27 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 17:02 | SSN |
| Bromide | **0.19** | J | mg/L | 0.30 | 0.060 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 17:02 | SSN |
| Nitrogen, Nitrate | **1.9** | | mg/L | 0.10 | 0.05 | 1 | 371559 | 05/16/25 13:45 | 05/16/25 17:02 | SSN |
| Sulfate | **110** | | mg/L | 10 | 2.5 | 10 | 371559 | 05/16/25 13:45 | 05/16/25 17:23 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 372180 | 05/23/25 | 05/27/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **8.0** | | mg/L | 4.0 | 2.0 | 1 | 372078 | 05/22/25 | 05/23/25 | ARM |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.26** | | mg/L | 0.050 | 0.0055 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Calcium | **33** | | mg/L | 0.57 | 0.57 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Iron | ND | | mg/L | 0.041 | 0.041 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Magnesium | **4.0** | | mg/L | 0.10 | 0.025 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Potassium | **1.6** | | mg/L | 0.50 | 0.40 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Sodium | **110** | | mg/L | 0.50 | 0.34 | 1 | 371629 | 05/17/25 | 05/18/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Freon 12 | **4.1** | J | ug/L | 5.0 | 0.2 | 1 | 372496 | 05/29/25 | 05/29/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Trichlorofluoromethane | **0.1** | J | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloroethane | **0.3** | J | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| 533265-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Tetrachloroethene | **0.8** | J | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 109% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Toluene-d8 | 104% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 533265

| 533265-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 371590 | 05/16/25 | 05/17/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 371971 | 05/21/25 | 05/21/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.79** | J | mg/L | 1.0 | 0.68 | 1 | 372371 | 05/27/25 | 05/28/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 371872 | 05/20/25 | 05/20/25 | WWC |
| Alkalinity, Total as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 371872 | 05/20/25 | 05/20/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **470** | | mg/L | 20 | | 2 | 371769 | 05/19/25 | 05/20/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| Sample ID: QCFB | Lab ID: 533265-005 | Collected: 05/15/25 09:26 |
|---|---|---|
| | Matrix: Water | |

| 533265-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Methylene Chloride | **11** | | ug/L | 5.0 | 2.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloroform | **0.9** | J | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| 533265-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 105% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 96% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Toluene-d8 | 105% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| Sample ID: QCTB | Lab ID: 533265-006 | Collected: 05/15/25 |
|---|---|---|
| | Matrix: Water | |

| 533265-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | H | ug/L | 5.0 | 0.5 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Freon 12 | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloromethane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Vinyl Chloride | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromomethane | ND | H | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloroethane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Trichlorofluoromethane | ND | H | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Acetone | ND | H | ug/L | 100 | 21 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Freon 113 | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloroethene | ND | H | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Methylene Chloride | ND | H | ug/L | 5.0 | 2.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| MTBE | ND | H | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloroethane | ND | H | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2-Butanone | ND | H | ug/L | 100 | 1.7 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,2-Dichloroethene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chloroform | **0.6** | H,J | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromochloromethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1-Dichloropropene | ND | H | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Carbon Tetrachloride | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Benzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Trichloroethene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromodichloromethane | ND | H | ug/L | 5.0 | 0.08 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Dibromomethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | H | ug/L | 5.0 | 1.0 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.06 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Toluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3-Dichloropropane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Tetrachloroethene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Dibromochloromethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dibromoethane | ND | H | ug/L | 5.0 | 0.07 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Chlorobenzene | ND | H | ug/L | 5.0 | 0.09 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Ethylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| m,p-Xylenes | ND | H | ug/L | 10 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| o-Xylene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Styrene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromoform | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Isopropylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 533265

| 533265-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Propylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 2-Chlorotoluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 4-Chlorotoluene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| tert-Butylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| sec-Butylbenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| para-Isopropyl Toluene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,4-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.2 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| n-Butylbenzene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | H | ug/L | 5.0 | 0.1 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | H | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Hexachlorobutadiene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Naphthalene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.4 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | H | ug/L | 5.0 | 0.3 | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 105% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 96% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Toluene-d8 | 106% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |
| Bromofluorobenzene | 103% | | %REC | 70-130 | | 1 | 372291 | 05/27/25 | 05/27/25 | ZST |

H Holding time was exceeded
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1258044 | **Batch:** 371559 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1258044 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 05/16/25 13:45 | 05/16/25 14:16 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 05/16/25 13:45 | 05/16/25 14:16 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 05/16/25 13:45 | 05/16/25 14:16 |
| Sulfate | ND | | mg/L | 1.0 | 0.25 | 05/16/25 13:45 | 05/16/25 14:16 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1258045 | **Batch:** 371559 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1258045 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 49.33 | 50.00 | mg/L | 99% | | 90-110 |
| Bromide | 16.21 | 15.00 | mg/L | 108% | | 90-110 |
| Nitrogen, Nitrate | 4.941 | 4.518 | mg/L | 109% | | 90-110 |
| Sulfate | 27.02 | 25.00 | mg/L | 108% | | 90-110 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1258046 | **Batch:** 371559 |
| **Matrix (Source ID):** Water (533217-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1258046 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 108.1 | 6.776 | 100.0 | mg/L | 101% | | 80-120 | 1 |
| Bromide | 15.61 | ND | 15.00 | mg/L | 104% | | 80-120 | 1 |
| Nitrogen, Nitrate | 10.68 | 1.321 | 9.036 | mg/L | 104% | | 80-120 | 1 |
| Sulfate | 57.96 | 6.644 | 50.00 | mg/L | 103% | | 80-120 | 1 |

| | | |
|---|---|---|
| **Type:** Matrix Spike Duplicate | **Lab ID:** QC1258047 | **Batch:** 371559 |
| **Matrix (Source ID):** Water (533217-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1258047 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 107.8 | 6.776 | 100.0 | mg/L | 101% | | 80-120 | 0 | 20 | 1 |
| Bromide | 15.57 | ND | 15.00 | mg/L | 104% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 10.64 | 1.321 | 9.036 | mg/L | 103% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 57.75 | 6.644 | 50.00 | mg/L | 102% | | 80-120 | 0 | 20 | 1 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1258186 | **Batch:** 371559 |
| **Matrix (Source ID):** Water (533323-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1258186 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 189.1 | 94.79 | 100.0 | mg/L | 94% | | 80-120 | 1 |
| Bromide | 15.62 | ND | 15.00 | mg/L | 104% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.539 | ND | 9.036 | mg/L | 106% | | 80-120 | 1 |
| Sulfate | 63.88 | 12.50 | 50.00 | mg/L | 103% | | 80-120 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1258187 | Batch: | 371559 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533323-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1258187 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 188.4 | 94.79 | 100.0 | mg/L | 94% | | 80-120 | 0 | 20 | 1 |
| Bromide | 15.55 | ND | 15.00 | mg/L | 104% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 9.502 | ND | 9.036 | mg/L | 105% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 63.72 | 12.50 | 50.00 | mg/L | 102% | | 80-120 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1261497 | Batch: | 372573 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1261497 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 05/29/25 14:00 | 05/29/25 15:09 |

| Type: | Lab Control Sample | Lab ID: | QC1261498 | Batch: | 372573 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1261498 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 10.03 | 10.00 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1261499 | Batch: | 372573 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Drinking Water (533613-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1261499 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.94 | 0.4765 | 20.00 | mg/L | 102% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1261500 | Batch: | 372573 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Drinking Water (533613-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1261500 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.93 | 0.4765 | 20.00 | mg/L | 102% | | 80-120 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1260193 | Batch: | 372180 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1260193 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 05/23/25 | 05/27/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Lab Control Sample | Lab ID: QC1260194 | Batch: 372180 |
|---|---|---|
| Matrix: Water | Method: EPA 350.1 | Prep Method: METHOD |

| QC1260194 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.017 | 1.000 | mg/L | 102% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1260195 | Batch: 372180 |
|---|---|---|
| Matrix (Source ID): Water (532644-001) | Method: EPA 350.1 | Prep Method: SM 4500-NH3-G SD |

| QC1260195 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.081 | 0.07857 | 1.000 | mg/L | 100% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1260196 | Batch: 372180 |
|---|---|---|
| Matrix (Source ID): Water (532644-001) | Method: EPA 350.1 | Prep Method: SM 4500-NH3-G SD |

| QC1260196 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.085 | 0.07857 | 1.000 | mg/L | 101% | | 90-110 | 0 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1260197 | Batch: 372180 |
|---|---|---|
| Matrix (Source ID): Water (533085-001) | Method: EPA 350.1 | Prep Method: SM 4500-NH3-G SD |

| QC1260197 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.046 | ND | 1.000 | mg/L | 105% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1260198 | Batch: 372180 |
|---|---|---|
| Matrix (Source ID): Water (533085-001) | Method: EPA 350.1 | Prep Method: SM 4500-NH3-G SD |

| QC1260198 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.068 | ND | 1.000 | mg/L | 107% | | 90-110 | 2 | 20 | 1 |

| Type: Blank | Lab ID: QC1259838 | Batch: 372078 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1259838 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 05/22/25 | 05/23/25 |

| Type: Lab Control Sample | Lab ID: QC1259839 | Batch: 372078 |
|---|---|---|
| Matrix: Water | Method: EPA 410.4 | Prep Method: METHOD |

| QC1259839 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 110.0 | 100.0 | mg/L | 110% | | 90-110 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1259840 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533035-004) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259840 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 120.0 | 8.000 | 100.0 | mg/L | 112% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1259841 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533035-004) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259841 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 114.0 | 8.000 | 100.0 | mg/L | 106% | | 75-125 | 5 | 20 | 2 |

| Type: | Matrix Spike | Lab ID: | QC1259842 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533265-004) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259842 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 112.0 | 8.000 | 100.0 | mg/L | 104% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1259843 | Batch: | 372078 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533265-004) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1259843 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 116.0 | 8.000 | 100.0 | mg/L | 108% | | 75-125 | 4 | 20 | 2 |

| Type: | Blank | Lab ID: | QC1258270 | Batch: | 371629 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1258270 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 05/17/25 | 05/18/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 05/17/25 | 05/18/25 |
| Iron | ND | | mg/L | 0.041 | 0.041 | 05/17/25 | 05/18/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 05/17/25 | 05/18/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 05/17/25 | 05/18/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 05/17/25 | 05/18/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 05/17/25 | 05/18/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1258271** | **Batch:** | **371629** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1258271 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3636 | 0.4000 | mg/L | 91% | | 80-120 |
| Calcium | 19.10 | 20.40 | mg/L | 94% | | 80-120 |
| Iron | 0.3765 | 0.4000 | mg/L | 94% | | 80-120 |
| Magnesium | 18.91 | 20.40 | mg/L | 93% | | 80-120 |
| Manganese | 0.3707 | 0.4000 | mg/L | 93% | | 80-120 |
| Potassium | 21.49 | 24.00 | mg/L | 90% | | 80-120 |
| Sodium | 18.62 | 20.40 | mg/L | 91% | | 80-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1258272** | **Batch:** | **371629** |
| **Matrix (Source ID):** | **Water (533265-003)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1258272 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.4889 | 0.1286 | 0.4000 | mg/L | 90% | | 75-125 | 1 |
| Calcium | 25.82 | 6.698 | 20.40 | mg/L | 94% | | 75-125 | 1 |
| Iron | 0.3746 | ND | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Magnesium | 19.25 | 0.3910 | 20.40 | mg/L | 92% | | 75-125 | 1 |
| Manganese | 0.3664 | ND | 0.4000 | mg/L | 92% | | 75-125 | 1 |
| Potassium | 22.21 | 0.7265 | 24.00 | mg/L | 90% | | 75-125 | 1 |
| Sodium | 249.2 | 230.8 | 20.40 | mg/L | 90% | NM | 75-125 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1258273** | **Batch:** | **371629** |
| **Matrix (Source ID):** | **Water (533265-003)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1258273 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4891 | 0.1286 | 0.4000 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Calcium | 25.64 | 6.698 | 20.40 | mg/L | 93% | | 75-125 | 1 | 20 | 1 |
| Iron | 0.3714 | ND | 0.4000 | mg/L | 93% | | 75-125 | 1 | 20 | 1 |
| Magnesium | 19.21 | 0.3910 | 20.40 | mg/L | 92% | | 75-125 | 0 | 20 | 1 |
| Manganese | 0.3649 | ND | 0.4000 | mg/L | 91% | | 75-125 | 0 | 20 | 1 |
| Potassium | 22.12 | 0.7265 | 24.00 | mg/L | 89% | | 75-125 | 0 | 20 | 1 |
| Sodium | 249.7 | 230.8 | 20.40 | mg/L | 93% | NM | 75-125 | 0 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1260587 | **Batch:** 372291 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1260587 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 05/27/25 | 05/27/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 05/27/25 | 05/27/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 05/27/25 | 05/27/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 05/27/25 | 05/27/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 05/27/25 | 05/27/25 |
| Acetone | ND | | ug/L | 100 | 21 | 05/27/25 | 05/27/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 05/27/25 | 05/27/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 05/27/25 | 05/27/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 05/27/25 | 05/27/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 05/27/25 | 05/27/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 05/27/25 | 05/27/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 05/27/25 | 05/27/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 05/27/25 | 05/27/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 05/27/25 | 05/27/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 05/27/25 | 05/27/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 05/27/25 | 05/27/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 05/27/25 | 05/27/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 05/27/25 | 05/27/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 05/27/25 | 05/27/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1260587 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 05/27/25 | 05/27/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 05/27/25 | 05/27/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/27/25 | 05/27/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 05/27/25 | 05/27/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 05/27/25 | 05/27/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 05/27/25 | 05/27/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 05/27/25 | 05/27/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 05/27/25 | 05/27/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 05/27/25 | 05/27/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 05/27/25 | 05/27/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 05/27/25 | 05/27/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 05/27/25 | 05/27/25 |
| 1,2-Dichloroethane-d4 | 96% | | %REC | 70-130 | | 05/27/25 | 05/27/25 |
| Toluene-d8 | 105% | | %REC | 70-130 | | 05/27/25 | 05/27/25 |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 05/27/25 | 05/27/25 |

**Type:** Lab Control Sample **Lab ID:** QC1260588 **Batch:** 372291
**Matrix:** Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1260588 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 59.87 | 50.00 | ug/L | 120% | | 70-135 |
| MTBE | 50.71 | 50.00 | ug/L | 101% | | 70-130 |
| Benzene | 51.64 | 50.00 | ug/L | 103% | | 70-130 |
| Trichloroethene | 54.91 | 50.00 | ug/L | 110% | | 70-130 |
| Toluene | 52.78 | 50.00 | ug/L | 106% | | 70-130 |
| Chlorobenzene | 52.93 | 50.00 | ug/L | 106% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.53 | 50.00 | ug/L | 103% | | 70-130 |
| 1,2-Dichloroethane-d4 | 47.11 | 50.00 | ug/L | 94% | | 70-130 |
| Toluene-d8 | 51.75 | 50.00 | ug/L | 104% | | 70-130 |
| Bromofluorobenzene | 48.90 | 50.00 | ug/L | 98% | | 70-130 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1260589** | **Batch:** | **372291** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1260589 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 51.38 | 50.00 | ug/L | 103% | | 70-135 | 15 | 30 |
| MTBE | 46.78 | 50.00 | ug/L | 94% | | 70-130 | 8 | 30 |
| Benzene | 46.99 | 50.00 | ug/L | 94% | | 70-130 | 9 | 30 |
| Trichloroethene | 49.29 | 50.00 | ug/L | 99% | | 70-130 | 11 | 30 |
| Toluene | 48.04 | 50.00 | ug/L | 96% | | 70-130 | 9 | 30 |
| Chlorobenzene | 49.28 | 50.00 | ug/L | 99% | | 70-130 | 7 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.56 | 50.00 | ug/L | 103% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 46.84 | 50.00 | ug/L | 94% | | 70-130 | | |
| Toluene-d8 | 51.35 | 50.00 | ug/L | 103% | | 70-130 | | |
| Bromofluorobenzene | 48.29 | 50.00 | ug/L | 97% | | 70-130 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1260672** | **Batch:** | **372291** |
| **Matrix (Source ID):** | **Water (533906-003)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1260672 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 1,031 | ND | 1000 | ug/L | 103% | | 70-130 | 50 |
| MTBE | 1,058 | ND | 1000 | ug/L | 106% | | 75-130 | 50 |
| Benzene | 980.9 | 24.36 | 1000 | ug/L | 96% | | 70-130 | 50 |
| Trichloroethene | 996.5 | ND | 1000 | ug/L | 100% | | 63-130 | 50 |
| Toluene | 986.9 | 18.46 | 1000 | ug/L | 97% | | 70-130 | 50 |
| Chlorobenzene | 1,014 | ND | 1000 | ug/L | 101% | | 70-130 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,628 | | 2500 | ug/L | 105% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,421 | | 2500 | ug/L | 97% | | 70-130 | 50 |
| Toluene-d8 | 2,575 | | 2500 | ug/L | 103% | | 70-130 | 50 |
| Bromofluorobenzene | 2,447 | | 2500 | ug/L | 98% | | 70-130 | 50 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1260673** | **Batch:** | **372291** |
| **Matrix (Source ID):** | **Water (533906-003)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1260673 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 1,033 | ND | 1000 | ug/L | 103% | | 70-130 | 0 | 30 | 50 |
| MTBE | 1,079 | ND | 1000 | ug/L | 108% | | 75-130 | 2 | 30 | 50 |
| Benzene | 990.5 | 24.36 | 1000 | ug/L | 97% | | 70-130 | 1 | 30 | 50 |
| Trichloroethene | 1,005 | ND | 1000 | ug/L | 101% | | 63-130 | 1 | 30 | 50 |
| Toluene | 977.4 | 18.46 | 1000 | ug/L | 96% | | 70-130 | 1 | 30 | 50 |
| Chlorobenzene | 998.1 | ND | 1000 | ug/L | 100% | | 70-130 | 2 | 30 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,653 | | 2500 | ug/L | 106% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,411 | | 2500 | ug/L | 96% | | 70-130 | | | 50 |
| Toluene-d8 | 2,554 | | 2500 | ug/L | 102% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,399 | | 2500 | ug/L | 96% | | 70-130 | | | 50 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1261267 | **Batch:** 372496 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1261267 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 05/29/25 | 05/29/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 05/29/25 | 05/29/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 05/29/25 | 05/29/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 05/29/25 | 05/29/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 05/29/25 | 05/29/25 |
| Acetone | ND | | ug/L | 100 | 21 | 05/29/25 | 05/29/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 05/29/25 | 05/29/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 05/29/25 | 05/29/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 05/29/25 | 05/29/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 05/29/25 | 05/29/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 05/29/25 | 05/29/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 05/29/25 | 05/29/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 05/29/25 | 05/29/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 05/29/25 | 05/29/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 05/29/25 | 05/29/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 05/29/25 | 05/29/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 05/29/25 | 05/29/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 05/29/25 | 05/29/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 05/29/25 | 05/29/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |

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# Batch QC

| QC1261267 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 05/29/25 | 05/29/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 05/29/25 | 05/29/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/29/25 | 05/29/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 05/29/25 | 05/29/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 05/29/25 | 05/29/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 05/29/25 | 05/29/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 05/29/25 | 05/29/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 05/29/25 | 05/29/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 05/29/25 | 05/29/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 05/29/25 | 05/29/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 05/29/25 | 05/29/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 05/29/25 | 05/29/25 |
| 1,2-Dichloroethane-d4 | 95% | | %REC | 70-130 | | 05/29/25 | 05/29/25 |
| Toluene-d8 | 106% | | %REC | 70-130 | | 05/29/25 | 05/29/25 |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 05/29/25 | 05/29/25 |

**Type:** Lab Control Sample **Lab ID:** QC1261268 **Batch:** 372496
**Matrix:** Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1261268 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 48.57 | 50.00 | ug/L | 97% | | 70-135 |
| MTBE | 46.99 | 50.00 | ug/L | 94% | | 70-130 |
| Benzene | 44.66 | 50.00 | ug/L | 89% | | 70-130 |
| Trichloroethene | 46.23 | 50.00 | ug/L | 92% | | 70-130 |
| Toluene | 46.37 | 50.00 | ug/L | 93% | | 70-130 |
| Chlorobenzene | 47.79 | 50.00 | ug/L | 96% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.94 | 50.00 | ug/L | 104% | | 70-130 |
| 1,2-Dichloroethane-d4 | 48.08 | 50.00 | ug/L | 96% | | 70-130 |
| Toluene-d8 | 51.37 | 50.00 | ug/L | 103% | | 70-130 |
| Bromofluorobenzene | 48.90 | 50.00 | ug/L | 98% | | 70-130 |

# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1261269 | Batch: | 372496 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1261269 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.84 | 50.00 | ug/L | 100% | | 70-135 | 3 | 30 |
| MTBE | 50.29 | 50.00 | ug/L | 101% | | 70-130 | 7 | 30 |
| Benzene | 46.97 | 50.00 | ug/L | 94% | | 70-130 | 5 | 30 |
| Trichloroethene | 47.80 | 50.00 | ug/L | 96% | | 70-130 | 3 | 30 |
| Toluene | 47.55 | 50.00 | ug/L | 95% | | 70-130 | 3 | 30 |
| Chlorobenzene | 49.35 | 50.00 | ug/L | 99% | | 70-130 | 3 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.24 | 50.00 | ug/L | 104% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 50.06 | 50.00 | ug/L | 100% | | 70-130 | | |
| Toluene-d8 | 50.57 | 50.00 | ug/L | 101% | | 70-130 | | |
| Bromofluorobenzene | 47.92 | 50.00 | ug/L | 96% | | 70-130 | | |

| Type: | Matrix Spike | Lab ID: | QC1261317 | Batch: | 372496 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533265-004) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1261317 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 21.40 | ND | 20.00 | ug/L | 107% | | 70-130 | 1 |
| MTBE | 19.69 | ND | 20.00 | ug/L | 98% | | 75-130 | 1 |
| Benzene | 19.65 | ND | 20.00 | ug/L | 98% | | 70-130 | 1 |
| Trichloroethene | 21.04 | ND | 20.00 | ug/L | 105% | | 63-130 | 1 |
| Toluene | 20.14 | ND | 20.00 | ug/L | 101% | | 70-130 | 1 |
| Chlorobenzene | 20.67 | ND | 20.00 | ug/L | 103% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.43 | | 50.00 | ug/L | 105% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 49.24 | | 50.00 | ug/L | 98% | | 70-130 | 1 |
| Toluene-d8 | 51.72 | | 50.00 | ug/L | 103% | | 70-130 | 1 |
| Bromofluorobenzene | 48.91 | | 50.00 | ug/L | 98% | | 70-130 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1261318 | Batch: | 372496 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (533265-004) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1261318 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 19.84 | ND | 20.00 | ug/L | 99% | | 70-130 | 8 | 30 | 1 |
| MTBE | 19.01 | ND | 20.00 | ug/L | 95% | | 75-130 | 4 | 30 | 1 |
| Benzene | 18.58 | ND | 20.00 | ug/L | 93% | | 70-130 | 6 | 30 | 1 |
| Trichloroethene | 19.47 | ND | 20.00 | ug/L | 97% | | 63-130 | 8 | 30 | 1 |
| Toluene | 19.33 | ND | 20.00 | ug/L | 97% | | 70-130 | 4 | 30 | 1 |
| Chlorobenzene | 20.12 | ND | 20.00 | ug/L | 101% | | 70-130 | 3 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 52.20 | | 50.00 | ug/L | 104% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 48.97 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Toluene-d8 | 51.63 | | 50.00 | ug/L | 103% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.96 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1258160 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258160 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.88 | 05/16/25 | 05/17/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 05/16/25 | 05/17/25 |

| Type: | Lab Control Sample | Lab ID: | QC1258161 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258161 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.28 | 10.00 | ug/L | 103% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.14 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1258162 | Batch: | 371590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1258162 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.938 | 10.00 | ug/L | 99% | | 80-120 | 3 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.839 | 10.00 | ug/L | 98% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1259444 | Batch: | 371971 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1259444 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 05/21/25 | 05/21/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1259445 **Batch:** 371971
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1259445 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1259659 **Batch:** 371971
**Matrix (Source ID):** Water (533541-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1259659 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | ND | 1.000 | mg/L | 90% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1259660 **Batch:** 371971
**Matrix (Source ID):** Water (533541-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1259660 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | ND | 1.000 | mg/L | 90% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1260871 **Batch:** 372371
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260871 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 05/27/25 | 05/29/25 |

**Type:** Lab Control Sample **Lab ID:** QC1260872 **Batch:** 372371
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260872 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 26.94 | 25.00 | mg/L | 108% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1260873 **Batch:** 372371
**Matrix (Source ID):** Water (533265-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260873 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.61 | 0.8307 | 25.00 | mg/L | 111% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1260874 **Batch:** 372371
**Matrix (Source ID):** Water (533265-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1260874 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.78 | 0.8307 | 25.00 | mg/L | 116% | | 75-125 | 4 | 25 | 1 |

# Batch QC

| Type: Blank | Lab ID: QC1259070 | Batch: 371872 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1259070 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 05/20/25 | 05/20/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 05/20/25 | 05/20/25 |

| Type: Lab Control Sample | Lab ID: QC1259071 | Batch: 371872 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1259071 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 932.2 | 1000 | mg/L | 93% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1259072 | Batch: 371872 |
|---|---|---|
| Matrix (Source ID): Water (533420-001) | Method: SM2320B | Prep Method: METHOD |

| QC1259072 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 407.8 | 411.6 | mg/L | | 1 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 407.8 | 411.6 | mg/L | | 1 | 20 | 2.5 |

| Type: Blank | Lab ID: QC1258716 | Batch: 371769 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1258716 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 5.0 | | 05/19/25 | 05/20/25 |

| Type: Lab Control Sample | Lab ID: QC1258717 | Batch: 371769 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1258717 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,007 | 1000 | mg/L | 101% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1258718 | Batch: 371769 |
|---|---|---|
| Matrix (Source ID): Water (533265-001) | Method: SM2540C | Prep Method: METHOD |

| QC1258718 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 932.0 | 948.0 | mg/L | | 2 | 5 | 2 |

ND Not Detected
NM Not Meaningful

**Laboratory Job Number 533265**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2505D11

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** PO-079649
**Project:** EO-533265

**Project Location:**
**Project Received:** 05/20/2025

Analytical Report reviewed & approved for release on 05/22/2025 by:

Yen Cao
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2505D11

**Project:** EO-533265

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2505D11

**Project:** EO-533265

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505D11 |
| **Date Received:** | 05/20/2025 12:05 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 05/21/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-533265 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-1 | 2505D11-001A | Water | 05/15/2025 08:29 | GC26 0521250911.D | 317836 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **2900** | 120 | 120 | 2.5 | 05/21/2025 14:34 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-30 | 2505D11-002A | Water | 05/15/2025 09:24 | GC26 0521250913.D | 317836 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3200** | 200 | 200 | 4 | 05/21/2025 15:19 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-16 | 2505D11-003A | Water | 05/15/2025 10:27 | GC26 0521250914.D | 317836 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1500** | 50 | 50 | 1 | 05/21/2025 15:31 |

Analyst(s): CLO

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505D11 |
| **Date Received:** | 05/20/2025 12:05 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 05/21/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-533265 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-3 | 2505D11-004A | Water | 05/15/2025 11:26 | GC26 0521250916.D | 317836 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3700** | 200 | 200 | 4 | 05/21/2025 17:07 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2505D11 |
| **Date Prepared:** | 05/21/2025 | **BatchID:** | 317836 |
| **Date Analyzed:** | 05/21/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-533265 | **Sample ID:** | MB/LCS/LCSD-317836 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 140 | 187.2 | 74 | 76 | 70-130 | 1.81 | 30 |

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# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2505D11** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: PO-079649
Project: EO-533265

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 2 days;**

*Date Received:* **05/20/2025**
*Date Logged:* **05/20/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2505D11-001 | DW-1 | Water | 5/15/2025 08:29 | ☐ | A | A | | | | | | | | | | |
| 2505D11-002 | DW-30 | Water | 5/15/2025 09:24 | ☐ | A | A | | | | | | | | | | |
| 2505D11-003 | DW-16 | Water | 5/15/2025 10:27 | ☐ | A | A | | | | | | | | | | |
| 2505D11-004 | DW-3 | Water | 5/15/2025 11:26 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Gemma Gomez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-533265 **Work Order:** 2505D11
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 5/20/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-1 | Water | RSK175 (CO2) | 3 | VOA w/ HCl | ☐ | ☐ | ☐ | 5/15/2025 8:29 | 2 days | 5/22/2025 | Present | ☐ | ☐ |
| 002A | DW-30 | Water | RSK175 (CO2) | 3 | VOA w/ HCl | ☐ | ☐ | ☐ | 5/15/2025 9:24 | 2 days | 5/22/2025 | Present | ☐ | ☐ |
| 003A | DW-16 | Water | RSK175 (CO2) | 3 | VOA w/ HCl | ☐ | ☐ | ☐ | 5/15/2025 10:27 | 2 days | 5/22/2025 | Present | ☐ | ☐ |
| 004A | DW-3 | Water | RSK175 (CO2) | 1 | VOA w/ HCl | ☐ | ☐ | ☐ | 5/15/2025 11:26 | 2 days | 5/22/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2505011

HOLD TIME RUSH

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-533265
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-1 | 15-MAY-2025 08:29 | 533265-001 | 3 | Water | RSK-175 CO2 | |
| DW-30 | 15-MAY-2025 09:24 | 533265-002 | 3 | Water | RSK-175 CO2 | |
| DW-16 | 15-MAY-2025 10:27 | 533265-003 | 3 | Water | RSK-175 CO2 | |
| DW-3 | 15-MAY-2025 11:26 | 533265-004 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Anna Bolotti | |
| | Date: 5-19-25 16:26 | Date: 5/20/25 12:05 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1 of 1

915:563027678

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 5/20/2025 12:05 |
| Project: | EO-533265 | Date Logged: | 5/20/2025 |
| | | Received by: | Gemma Gomez |
| WorkOrder №: | 2505D11 Matrix: Water | Logged by: | Gemma Gomez |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | NA ☐ |
| Custody seals intact on sample bottles? | Yes ☑ | No ☐ | NA ☐ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 0.3°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☑ | No ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:


48 of 48

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 535016
Report Level : II
Report Date : 06/24/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill, Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 535016<br>GW MONITORING<br>Chiquita Canyon Landfill, Quarterly MPars<br>06/09/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-18 | 535016-001 | 06/09/25 08:27 | Water |
| DW-21 | 535016-002 | 06/09/25 09:08 | Water |
| DW-31 | 535016-003 | 06/09/25 10:24 | Water |
| DW-12 | 535016-004 | 06/09/25 11:28 | Water |
| DW-7 | 535016-005 | 06/09/25 12:42 | Water |
| QCFB | 535016-006 | 06/09/25 10:26 | Water |
| QCTB | 535016-007 | 06/09/25 00:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 535016<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill, Quarterly MPars<br>Date Received: 06/09/25 |

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 06/10/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recoveries were observed for benzene, toluene, and chlorobenzene in the MSD for batch 374323; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- High recoveries were observed for bromide, fluoride, and nitrogen, nitrate in the MSD of DW-18 (lab # 535016-001); the LCS was within limits, and the associated RPDs were within limits.
- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD of DW-18 (lab # 535016-001); affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**

- Low recoveries were observed for sulfide in the MS/MSD for batch 374050; the parent sample was not a project sample, and the LCS was within limits.
- No other analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**

McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 535016

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** 3.5/1R17 (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-18 | 6/9/25 | 827 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-21 | | 908 | | 13 | | X | X | X | X | X | X | X | X | X |
| 3 | DW-31 | | 1024 | | 13 | | X | X | X | X | X | X | X | X | X |
| 4 | DW-12 | | 1128 | | 14 | | X | X | X | X | X | X | X | X | X |
| 5 | DW-7 | | 1242 | | 14 | | X | X | X | X | X | X | X | X | X |
| 6 | QCFB | | 1026 | | 3 | | X | | | | | | | | |
| 7 | QCTB | — | — | | 2 | | X | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

**Quarterly MPars**

**cc report to:**
**pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

Login 535016

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CE | 6/9/25 1350 |
| [1] Received By: | | Jim Lin | SA·NH | 6/9/25 1350 |
| [2] Relinquished By: | | Jim Lin | SA·NH | 6·10·25 9:30 |
| [2] Received By: | | GEMA O. | EANH | 6.10.25 9:30 |
| [3] Relinquished By: | | Gema O. | EANH | 6/10/25 10:35 |
| [3] Received By: | | Derek P | EA | 6/10/25 10:35 |

REL: Derek P EA 6/10/25 1700 Received By: NCM 6/10/25 1300

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 6.9.25 WO# _____ Client: Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6.9.25 By (initials) JWL Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.7C

Cooler Temp (°C) #1: 11.8 / 11.1 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☐ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☐ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 6/10/25 WO# 535016 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6/10/25 By (initials) DEP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR 13 CF: +0.0

Cooler Temp (°C) #1: 3.5 / 3.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | X |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | X | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 6/9/25 **By (print)** AGR **(sign)** _____

**Date Labeled** 6/10/25 **By (print)** EP-CR **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 535016

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 535016
Project No: GW MONITORING
Location: Chiquita Canyon Landfill, Quarterly MPars
Date Received: 06/09/25

**Sample ID: DW-18** **Lab ID: 535016-001** **Collected: 06/09/25 08:27**
**Matrix: Water**

| 535016-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.24** | | mg/L | 0.20 | 0.073 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 14:57 | AJL |
| Chloride | **110** | | mg/L | 1.0 | 0.27 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 14:57 | AJL |
| Bromide | **0.30** | | mg/L | 0.30 | 0.060 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 14:57 | AJL |
| Nitrogen, Nitrate | **3.0** | | mg/L | 0.10 | 0.05 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 14:57 | AJL |
| Sulfate | **350** | | mg/L | 10 | 1.8 | 10 | 373517 | 06/10/25 12:02 | 06/10/25 15:48 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 373683 | 06/11/25 | 06/12/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **10** | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.32** | | mg/L | 0.050 | 0.0055 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Calcium | **25** | | mg/L | 1.0 | 0.57 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Iron | ND | | mg/L | 0.10 | 0.046 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Magnesium | **2.0** | | mg/L | 0.10 | 0.025 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Potassium | **1.4** | | mg/L | 0.50 | 0.40 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Sodium | **280** | | mg/L | 0.60 | 0.35 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 8.8 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| 535016-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| 535016-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374050 | 06/16/25 | 06/16/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **4.8** | | mg/L | 1.0 | 0.68 | 1 | 373701 | 06/11/25 | 06/11/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **290** | | mg/L | 5.0 | | 2.5 | 373703 | 06/11/25 | 06/11/25 | WWC |
| Alkalinity, Total as CaCO3 | **290** | | mg/L | 5.0 | | 2.5 | 373703 | 06/11/25 | 06/11/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **980** | | mg/L | 20 | | 2 | 373594 | 06/10/25 | 06/11/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| Sample ID: DW-21 | Lab ID: 535016-002 | Collected: 06/09/25 09:08 |
|---|---|---|
| | Matrix: Water | |

| 535016-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.86** | | mg/L | 0.20 | 0.073 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 16:39 | AJL |
| Chloride | **55** | | mg/L | 1.0 | 0.27 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 16:39 | AJL |
| Bromide | **0.14** | J | mg/L | 0.30 | 0.060 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 16:39 | AJL |
| Nitrogen, Nitrate | **0.12** | | mg/L | 0.10 | 0.05 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 16:39 | AJL |
| Sulfate | **120** | | mg/L | 10 | 1.8 | 10 | 373517 | 06/10/25 12:02 | 06/10/25 16:56 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 373683 | 06/11/25 | 06/12/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.25** | | mg/L | 0.050 | 0.0055 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Calcium | **3.4** | | mg/L | 1.0 | 0.57 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Iron | **0.24** | | mg/L | 0.10 | 0.046 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Magnesium | **0.19** | | mg/L | 0.10 | 0.025 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Sodium | **140** | | mg/L | 0.60 | 0.35 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 8.8 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| 535016-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane-d4 | 108% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 94% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535016

| 535016-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 104% | | %REC | 80-120 | | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374050 | 06/16/25 | 06/16/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.92** | J | mg/L | 1.0 | 0.68 | 1 | 373701 | 06/11/25 | 06/12/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **120** | | mg/L | 5.0 | | 2.5 | 373703 | 06/11/25 | 06/11/25 | WWC |
| Alkalinity, Total as CaCO3 | **170** | | mg/L | 5.0 | | 2.5 | 373703 | 06/11/25 | 06/11/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **450** | | mg/L | 20 | | 2 | 373594 | 06/10/25 | 06/11/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| Sample ID: DW-31 | Lab ID: 535016-003 | Collected: 06/09/25 10:24 |
|---|---|---|
| | Matrix: Water | |

| 535016-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.23** | | mg/L | 0.20 | 0.073 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 18:54 | AJL |
| Chloride | **79** | | mg/L | 1.0 | 0.27 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 18:54 | AJL |
| Bromide | **0.56** | | mg/L | 0.30 | 0.060 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 18:54 | AJL |
| Nitrogen, Nitrate | **0.11** | | mg/L | 0.10 | 0.05 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 18:54 | AJL |
| Sulfate | **290** | | mg/L | 10 | 1.8 | 10 | 373517 | 06/10/25 12:02 | 06/10/25 19:11 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 373795 | 06/12/25 | 06/12/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **23** | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.49** | | mg/L | 0.050 | 0.0055 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Calcium | **150** | | mg/L | 1.0 | 0.57 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Iron | **0.10** | | mg/L | 0.10 | 0.046 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Magnesium | **28** | | mg/L | 0.10 | 0.025 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Manganese | **0.45** | | mg/L | 0.010 | 0.0029 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Potassium | **1.3** | | mg/L | 0.50 | 0.40 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Sodium | **120** | | mg/L | 0.60 | 0.35 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 8.8 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| 535016-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 97% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535016

| 535016-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | **10** | | ug/L | 1.0 | 0.95 | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374050 | 06/16/25 | 06/16/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **14** | | mg/L | 1.0 | 0.68 | 1 | 373701 | 06/11/25 | 06/12/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **490** | | mg/L | 5.0 | | 2.5 | 373703 | 06/11/25 | 06/11/25 | WWC |
| Alkalinity, Total as CaCO3 | **490** | | mg/L | 5.0 | | 2.5 | 373703 | 06/11/25 | 06/11/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,000** | | mg/L | 20 | | 2 | 373594 | 06/10/25 | 06/11/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| Sample ID: DW-12 | Lab ID: 535016-004 | Collected: 06/09/25 11:28 |
|---|---|---|
| | Matrix: Water | |

| 535016-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.62** | | mg/L | 0.20 | 0.073 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 19:27 | AJL |
| Chloride | **190** | | mg/L | 1.0 | 0.27 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 19:27 | AJL |
| Bromide | **0.71** | | mg/L | 0.30 | 0.060 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 19:27 | AJL |
| Nitrogen, Nitrate | **3.8** | | mg/L | 0.10 | 0.05 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 19:27 | AJL |
| Sulfate | **300** | | mg/L | 10 | 1.8 | 10 | 373517 | 06/10/25 12:02 | 06/10/25 19:44 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 373795 | 06/12/25 | 06/12/25 | DAD |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.21** | | mg/L | 0.050 | 0.0055 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Calcium | **23** | | mg/L | 1.0 | 0.57 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Iron | ND | | mg/L | 0.10 | 0.046 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Magnesium | **2.9** | | mg/L | 0.10 | 0.025 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Potassium | **1.6** | | mg/L | 0.50 | 0.40 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Sodium | **270** | | mg/L | 0.60 | 0.35 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 8.8 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| 535016-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 94% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane-d4 | 107% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535016

| 535016-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 104% | | %REC | 80-120 | | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374050 | 06/16/25 | 06/16/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 373701 | 06/11/25 | 06/12/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 373703 | 06/11/25 | 06/11/25 | WWC |
| Alkalinity, Total as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 373703 | 06/11/25 | 06/11/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **950** | | mg/L | 20 | | 2 | 373594 | 06/10/25 | 06/11/25 | RDL |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 535016

| Sample ID: DW-7 | Lab ID: 535016-005 | Collected: 06/09/25 12:42 |
|---|---|---|
| | Matrix: Water | |

| 535016-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.17** | J | mg/L | 0.20 | 0.073 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 20:01 | AJL |
| Chloride | **84** | | mg/L | 1.0 | 0.27 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 20:01 | AJL |
| Bromide | **0.16** | J | mg/L | 0.30 | 0.060 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 20:01 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 373517 | 06/10/25 12:02 | 06/10/25 20:01 | AJL |
| Sulfate | **660** | | mg/L | 10 | 1.8 | 10 | 373517 | 06/10/25 12:02 | 06/10/25 20:18 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.034 | 1 | 374373 | 06/19/25 | 06/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.17** | | mg/L | 0.050 | 0.0055 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Calcium | **32** | | mg/L | 1.0 | 0.57 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Iron | ND | | mg/L | 0.10 | 0.046 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Magnesium | **1.6** | | mg/L | 0.10 | 0.025 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Potassium | **1.1** | | mg/L | 0.50 | 0.40 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Sodium | **330** | | mg/L | 0.60 | 0.35 | 1 | 373552 | 06/10/25 | 06/10/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 8.8 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 535016

| 535016-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 97% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane-d4 | 107% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535016

| 535016-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 97% | | %REC | 80-120 | | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374050 | 06/16/25 | 06/16/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 373701 | 06/11/25 | 06/12/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **110** | | mg/L | 5.0 | | 2.5 | 373703 | 06/11/25 | 06/11/25 | WWC |
| Alkalinity, Total as CaCO3 | **110** | | mg/L | 5.0 | | 2.5 | 373703 | 06/11/25 | 06/11/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,200** | | mg/L | 20 | | 2 | 373594 | 06/10/25 | 06/11/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| Sample ID: QCFB | Lab ID: 535016-006 | Collected: 06/09/25 10:26 |
|---|---|---|
| | Matrix: Water | |

| 535016-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 8.8 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | **7.4** | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | **0.7** | J | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| 535016-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 97% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane-d4 | 108% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 374108 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| Sample ID: QCTB | Lab ID: 535016-007 | Collected: 06/09/25 |
|---|---|---|
| | Matrix: Water | |

| 535016-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Methylene Chloride | **7.3** | | ug/L | 5.0 | 2.4 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Chloroform | **0.9** | J | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535016

| 535016-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| 1,2-Dichloroethane-d4 | 96% | | %REC | 70-130 | | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 374323 | 06/19/25 | 06/19/25 | ZST |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1264665 | **Batch:** 373517 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1264665 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 06/10/25 12:02 | 06/10/25 14:24 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 06/10/25 12:02 | 06/10/25 14:24 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 06/10/25 12:02 | 06/10/25 14:24 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 06/10/25 12:02 | 06/10/25 14:24 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 06/10/25 12:02 | 06/10/25 14:24 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1264666 | **Batch:** 373517 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1264666 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.993 | 10.00 | mg/L | 100% | | 90-110 |
| Chloride | 48.17 | 50.00 | mg/L | 96% | | 90-110 |
| Bromide | 15.28 | 15.00 | mg/L | 102% | | 90-110 |
| Nitrogen, Nitrate | 4.662 | 4.518 | mg/L | 103% | | 90-110 |
| Sulfate | 24.89 | 25.00 | mg/L | 100% | | 90-110 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1264738 | **Batch:** 373517 |
| **Matrix (Source ID):** Water (535016-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1264738 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 23.93 | 0.2434 | 20.00 | mg/L | 118% | | 80-129 | 1 |
| Chloride | 218.4 | 113.8 | 100.0 | mg/L | 105% | E | 80-123 | 1 |
| Bromide | 17.36 | 0.3035 | 15.00 | mg/L | 114% | | 80-121 | 1 |
| Nitrogen, Nitrate | 13.38 | 3.050 | 9.036 | mg/L | 114% | | 80-123 | 1 |
| Sulfate | 331.0 | 347.2 | 50.00 | mg/L | -32% | E,NM | 79-124 | 1 |

| | | |
|---|---|---|
| **Type:** Matrix Spike Duplicate | **Lab ID:** QC1264739 | **Batch:** 373517 |
| **Matrix (Source ID):** Water (535016-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1264739 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 27.96 | 0.2434 | 20.00 | mg/L | 139% | * | 80-129 | 16 | 21 | 1 |
| Chloride | 235.3 | 113.8 | 100.0 | mg/L | 122% | E | 80-123 | | 20 | 1 |
| Bromide | 20.33 | 0.3035 | 15.00 | mg/L | 133% | * | 80-121 | 16 | 20 | 1 |
| Nitrogen, Nitrate | 15.08 | 3.050 | 9.036 | mg/L | 133% | * | 80-123 | 12 | 20 | 1 |
| Sulfate | 335.5 | 347.2 | 50.00 | mg/L | -24% | E,NM | 79-124 | | 20 | 1 |

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1264824 | Batch: | 373517 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535131-004) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1264824 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.39 | ND | 20.00 | mg/L | 107% | | 80-129 | 1 |
| Chloride | 104.8 | 0.5548 | 100.0 | mg/L | 104% | | 80-123 | 1 |
| Bromide | 15.50 | ND | 15.00 | mg/L | 103% | | 80-121 | 1 |
| Nitrogen, Nitrate | 9.683 | 0.07032 | 9.036 | mg/L | 106% | | 80-123 | 1 |
| Sulfate | 52.16 | 0.2422 | 50.00 | mg/L | 104% | | 79-124 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1264825 | Batch: | 373517 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535131-004) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1264825 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.52 | ND | 20.00 | mg/L | 108% | | 80-129 | 1 | 21 | 1 |
| Chloride | 105.8 | 0.5548 | 100.0 | mg/L | 105% | | 80-123 | 1 | 20 | 1 |
| Bromide | 15.62 | ND | 15.00 | mg/L | 104% | | 80-121 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.787 | 0.07032 | 9.036 | mg/L | 108% | | 80-123 | 1 | 20 | 1 |
| Sulfate | 52.48 | 0.2422 | 50.00 | mg/L | 104% | | 79-124 | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1265194 | Batch: | 373683 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1265194 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 06/11/25 | 06/12/25 |

| Type: | Lab Control Sample | Lab ID: | QC1265195 | Batch: | 373683 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1265195 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9798 | 1.000 | mg/L | 98% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1265198 | Batch: | 373683 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (534673-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1265198 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9888 | ND | 1.000 | mg/L | 99% | | 90-110 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1265199 | Batch: | 373683 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (534673-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1265199 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9593 | ND | 1.000 | mg/L | 96% | | 90-110 | 3 | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1265630 | Batch: | 373683 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1265630 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9816 | 1.000 | mg/L | 98% | | 90-110 |

| Type: | Lab Control Sample | Lab ID: | QC1265631 | Batch: | 373683 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1265631 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9730 | 1.000 | mg/L | 97% | | 90-110 |

| Type: | Lab Control Sample | Lab ID: | QC1265632 | Batch: | 373683 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1265632 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9398 | 1.000 | mg/L | 94% | | 90-110 |

| Type: | Blank | Lab ID: | QC1265550 | Batch: | 373795 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1265550 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 06/12/25 | 06/12/25 |

| Type: | Lab Control Sample | Lab ID: | QC1265551 | Batch: | 373795 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1265551 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9329 | 1.000 | mg/L | 93% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1265552 | Batch: | 373795 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535016-003) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1265552 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9563 | ND | 1.000 | mg/L | 96% | | 90-110 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1265553** |
| **Matrix (Source ID):** | **Water (535016-003)** | **Method:** | **EPA 350.1** |
| **Batch:** | **373795** | | |
| **Prep Method:** | **METHOD** | | |

| QC1265553 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9803 | ND | 1.000 | mg/L | 98% | | 90-110 | 2 | 20 | 1 |

| | | | |
|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1267564** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** |
| **Batch:** | **374373** | | |
| **Prep Method:** | **METHOD** | | |

| QC1267564 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.026 | 1.000 | mg/L | 103% | | 90-110 |

| | | | |
|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1267565** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** |
| **Batch:** | **374373** | | |
| **Prep Method:** | **METHOD** | | |

| QC1267565 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.034 | 06/19/25 | 06/20/25 |

| | | | |
|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1267566** |
| **Matrix (Source ID):** | **Water (535016-005)** | **Method:** | **EPA 350.1** |
| **Batch:** | **374373** | | |
| **Prep Method:** | **METHOD** | | |

| QC1267566 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.044 | ND | 1.000 | mg/L | 104% | | 90-110 | 1 |

| | | | |
|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1267567** |
| **Matrix (Source ID):** | **Water (535016-005)** | **Method:** | **EPA 350.1** |
| **Batch:** | **374373** | | |
| **Prep Method:** | **METHOD** | | |

| QC1267567 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9878 | ND | 1.000 | mg/L | 99% | | 90-110 | 6 | 20 | 1 |

| | | | |
|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1267568** |
| **Matrix (Source ID):** | **Water (535069-001)** | **Method:** | **EPA 350.1** |
| **Batch:** | **374373** | | |
| **Prep Method:** | **METHOD** | | |

| QC1267568 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.144 | 0.1718 | 1.000 | mg/L | 97% | | 90-110 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1267569 | Batch: | 374373 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535069-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267569 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.272 | 0.1718 | 1.000 | mg/L | 110% | | 90-110 | 11 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1268268 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268268 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 06/22/25 | 06/22/25 |

| Type: | Lab Control Sample | Lab ID: | QC1268269 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268269 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 97.00 | 100.0 | mg/L | 97% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1268270 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535016-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268270 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 100.0 | 10.00 | 100.0 | mg/L | 90% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1268271 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535016-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268271 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 100.0 | 10.00 | 100.0 | mg/L | 90% | | 75-125 | 0 | 20 | 2 |

| Type: | Matrix Spike | Lab ID: | QC1268272 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268272 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 86.00 | ND | 100.0 | mg/L | 86% | | 75-125 | 2 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1268273** | **Batch:** | **374561** |
| **Matrix (Source ID):** | **Water (535279-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1268273 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 88.00 | ND | 100.0 | mg/L | 88% | | 75-125 | 2 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1264786** | **Batch:** | **373552** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1264786 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0055 | 06/10/25 | 06/10/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 06/10/25 | 06/10/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 06/10/25 | 06/10/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 06/10/25 | 06/10/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 06/10/25 | 06/10/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 06/10/25 | 06/10/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 06/10/25 | 06/10/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1264787** | **Batch:** | **373552** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1264787 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3702 | 0.4000 | mg/L | 93% | | 80-120 |
| Calcium | 18.74 | 20.40 | mg/L | 92% | | 80-120 |
| Iron | 0.3823 | 0.4000 | mg/L | 96% | | 80-120 |
| Magnesium | 19.41 | 20.40 | mg/L | 95% | | 80-120 |
| Manganese | 0.3782 | 0.4000 | mg/L | 95% | | 80-120 |
| Potassium | 22.69 | 24.00 | mg/L | 95% | | 80-120 |
| Sodium | 19.16 | 20.40 | mg/L | 94% | | 80-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1264788** | **Batch:** | **373552** |
| **Matrix (Source ID):** | **Water (535016-001)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1264788 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.6827 | 0.3188 | 0.4000 | mg/L | 91% | | 75-125 | 1 |
| Calcium | 42.16 | 24.72 | 20.40 | mg/L | 86% | | 75-125 | 1 |
| Iron | 0.3767 | ND | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Magnesium | 20.71 | 1.965 | 20.40 | mg/L | 92% | | 75-125 | 1 |
| Manganese | 0.3672 | ND | 0.4000 | mg/L | 92% | | 75-125 | 1 |
| Potassium | 23.73 | 1.390 | 24.00 | mg/L | 93% | | 75-125 | 1 |
| Sodium | 299.0 | 284.7 | 20.40 | mg/L | 70% | NM | 75-125 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1264789 | Batch: | 373552 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535016-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1264789 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.6865 | 0.3188 | 0.4000 | mg/L | 92% | | 75-125 | 1 | 20 | 1 |
| Calcium | 42.63 | 24.72 | 20.40 | mg/L | 88% | | 75-125 | 1 | 20 | 1 |
| Iron | 0.3814 | ND | 0.4000 | mg/L | 95% | | 75-125 | 1 | 22 | 1 |
| Magnesium | 21.27 | 1.965 | 20.40 | mg/L | 95% | | 75-125 | 3 | 20 | 1 |
| Manganese | 0.3724 | ND | 0.4000 | mg/L | 93% | | 75-125 | 1 | 20 | 1 |
| Potassium | 24.23 | 1.390 | 24.00 | mg/L | 95% | | 75-125 | 2 | 20 | 1 |
| Sodium | 297.5 | 284.7 | 20.40 | mg/L | 63% | NM | 75-125 | 1 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1264813 | Batch: | 373552 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535016-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1264813 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.3106 | 0.3188 | mg/L | | | | 5 |
| Calcium | 24.43 | 24.72 | mg/L | | | | 5 |
| Iron | ND | ND | mg/L | | | | 5 |
| Magnesium | 1.984 | 1.965 | mg/L | | | | 5 |
| Manganese | ND | ND | mg/L | | | | 5 |
| Potassium | ND | 1.390 | mg/L | | | | 5 |
| Sodium | 283.3 | 284.7 | mg/L | | | | 5 |

| Type: | Lab Control Sample | Lab ID: | QC1266715 | Batch: | 374108 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1266715 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 47.53 | 50.00 | ug/L | 95% | | 69-128 |
| MTBE | 52.80 | 50.00 | ug/L | 106% | | 66-125 |
| Benzene | 47.09 | 50.00 | ug/L | 94% | | 76-121 |
| Trichloroethene | 43.72 | 50.00 | ug/L | 87% | | 76-124 |
| Toluene | 43.64 | 50.00 | ug/L | 87% | | 76-120 |
| Chlorobenzene | 42.98 | 50.00 | ug/L | 86% | | 78-120 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 46.87 | 50.00 | ug/L | 94% | | 70-130 |
| 1,2-Dichloroethane-d4 | 50.97 | 50.00 | ug/L | 102% | | 70-130 |
| Toluene-d8 | 47.40 | 50.00 | ug/L | 95% | | 70-130 |
| Bromofluorobenzene | 49.66 | 50.00 | ug/L | 99% | | 70-130 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1266716** | **Batch:** | **374108** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1266716 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.06 | 50.00 | ug/L | 98% | | 69-128 | 3 | 23 |
| MTBE | 55.25 | 50.00 | ug/L | 110% | | 66-125 | 5 | 22 |
| Benzene | 49.14 | 50.00 | ug/L | 98% | | 76-121 | 4 | 21 |
| Trichloroethene | 45.39 | 50.00 | ug/L | 91% | | 76-124 | 4 | 22 |
| Toluene | 45.23 | 50.00 | ug/L | 90% | | 76-120 | 4 | 21 |
| Chlorobenzene | 44.74 | 50.00 | ug/L | 89% | | 78-120 | 4 | 20 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 47.11 | 50.00 | ug/L | 94% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 51.89 | 50.00 | ug/L | 104% | | 70-130 | | |
| Toluene-d8 | 47.95 | 50.00 | ug/L | 96% | | 70-130 | | |
| Bromofluorobenzene | 50.77 | 50.00 | ug/L | 102% | | 70-130 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1266717 | **Batch:** 374108 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1266717 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 06/17/25 | 06/17/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.05 | 06/17/25 | 06/17/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 06/17/25 | 06/17/25 |
| Acetone | ND | | ug/L | 100 | 8.8 | 06/17/25 | 06/17/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| 2-Butanone | ND | | ug/L | 100 | 0.9 | 06/17/25 | 06/17/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.09 | 06/17/25 | 06/17/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 06/17/25 | 06/17/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.03 | 06/17/25 | 06/17/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 06/17/25 | 06/17/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 06/17/25 | 06/17/25 |
| Benzene | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.05 | 06/17/25 | 06/17/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.05 | 06/17/25 | 06/17/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.5 | 06/17/25 | 06/17/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 06/17/25 | 06/17/25 |
| Toluene | ND | | ug/L | 5.0 | 0.05 | 06/17/25 | 06/17/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.03 | 06/17/25 | 06/17/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 06/17/25 | 06/17/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 06/17/25 | 06/17/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.05 | 06/17/25 | 06/17/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 06/17/25 | 06/17/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.04 | 06/17/25 | 06/17/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 06/17/25 | 06/17/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.06 | 06/17/25 | 06/17/25 |
| Styrene | ND | | ug/L | 5.0 | 0.06 | 06/17/25 | 06/17/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.08 | 06/17/25 | 06/17/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.06 | 06/17/25 | 06/17/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.06 | 06/17/25 | 06/17/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.09 | 06/17/25 | 06/17/25 |

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# Batch QC

| QC1266717 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.05 | 06/17/25 | 06/17/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.06 | 06/17/25 | 06/17/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.08 | 06/17/25 | 06/17/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 06/17/25 | 06/17/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.06 | 06/17/25 | 06/17/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.05 | 06/17/25 | 06/17/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.06 | 06/17/25 | 06/17/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 06/17/25 | 06/17/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.04 | 06/17/25 | 06/17/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 06/17/25 | 06/17/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.06 | 06/17/25 | 06/17/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 06/17/25 | 06/17/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.09 | 06/17/25 | 06/17/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 06/17/25 | 06/17/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 06/17/25 | 06/17/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 97% | | %REC | 70-130 | | 06/17/25 | 06/17/25 |
| 1,2-Dichloroethane-d4 | 107% | | %REC | 70-130 | | 06/17/25 | 06/17/25 |
| Toluene-d8 | 95% | | %REC | 70-130 | | 06/17/25 | 06/17/25 |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 06/17/25 | 06/17/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1266784** | **Batch:** | **374108** |
| **Matrix (Source ID):** | **Water (535016-001)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1266784 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 17.18 | ND | 20.00 | ug/L | 86% | | 62-131 | 1 |
| MTBE | 20.86 | ND | 20.00 | ug/L | 104% | | 61-124 | 1 |
| Benzene | 17.93 | ND | 20.00 | ug/L | 90% | | 70-123 | 1 |
| Trichloroethene | 17.23 | ND | 20.00 | ug/L | 86% | | 65-131 | 1 |
| Toluene | 16.55 | ND | 20.00 | ug/L | 83% | | 69-120 | 1 |
| Chlorobenzene | 16.90 | ND | 20.00 | ug/L | 85% | | 72-121 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 46.62 | | 50.00 | ug/L | 93% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 51.42 | | 50.00 | ug/L | 103% | | 70-130 | 1 |
| Toluene-d8 | 47.78 | | 50.00 | ug/L | 96% | | 70-130 | 1 |
| Bromofluorobenzene | 50.05 | | 50.00 | ug/L | 100% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1266785 | Batch: | 374108 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535016-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1266785 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 15.68 | ND | 20.00 | ug/L | 78% | | 62-131 | 9 | 31 | 1 |
| MTBE | 19.87 | ND | 20.00 | ug/L | 99% | | 61-124 | 5 | 30 | 1 |
| Benzene | 16.61 | ND | 20.00 | ug/L | 83% | | 70-123 | 8 | 31 | 1 |
| Trichloroethene | 15.68 | ND | 20.00 | ug/L | 78% | | 65-131 | 9 | 31 | 1 |
| Toluene | 15.27 | ND | 20.00 | ug/L | 76% | | 69-120 | 8 | 29 | 1 |
| Chlorobenzene | 15.50 | ND | 20.00 | ug/L | 78% | | 72-121 | 9 | 29 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 46.86 | | 50.00 | ug/L | 94% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 52.58 | | 50.00 | ug/L | 105% | | 70-130 | | | 1 |
| Toluene-d8 | 47.59 | | 50.00 | ug/L | 95% | | 70-130 | | | 1 |
| Bromofluorobenzene | 49.35 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1267418 | Batch: | 374323 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1267418 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.40 | 50.00 | ug/L | 99% | | 69-128 |
| MTBE | 43.23 | 50.00 | ug/L | 86% | | 66-125 |
| Benzene | 51.87 | 50.00 | ug/L | 104% | | 76-121 |
| Trichloroethene | 50.36 | 50.00 | ug/L | 101% | | 76-124 |
| Toluene | 50.94 | 50.00 | ug/L | 102% | | 76-120 |
| Chlorobenzene | 49.99 | 50.00 | ug/L | 100% | | 78-120 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 48.49 | 50.00 | ug/L | 97% | | 70-130 |
| 1,2-Dichloroethane-d4 | 47.94 | 50.00 | ug/L | 96% | | 70-130 |
| Toluene-d8 | 49.70 | 50.00 | ug/L | 99% | | 70-130 |
| Bromofluorobenzene | 48.76 | 50.00 | ug/L | 98% | | 70-130 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1267419 | Batch: | 374323 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1267419 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 47.78 | 50.00 | ug/L | 96% | | 69-128 | 3 | 23 |
| MTBE | 42.12 | 50.00 | ug/L | 84% | | 66-125 | 3 | 22 |
| Benzene | 50.72 | 50.00 | ug/L | 101% | | 76-121 | 2 | 21 |
| Trichloroethene | 49.68 | 50.00 | ug/L | 99% | | 76-124 | 1 | 22 |
| Toluene | 50.36 | 50.00 | ug/L | 101% | | 76-120 | 1 | 21 |
| Chlorobenzene | 49.03 | 50.00 | ug/L | 98% | | 78-120 | 2 | 20 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 47.76 | 50.00 | ug/L | 96% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 47.76 | 50.00 | ug/L | 96% | | 70-130 | | |
| Toluene-d8 | 50.16 | 50.00 | ug/L | 100% | | 70-130 | | |
| Bromofluorobenzene | 47.60 | 50.00 | ug/L | 95% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1267423** | **Batch:** | **374323** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1267423 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 06/19/25 | 06/19/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 06/19/25 | 06/19/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 06/19/25 | 06/19/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 06/19/25 | 06/19/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 06/19/25 | 06/19/25 |
| Acetone | ND | | ug/L | 100 | 21 | 06/19/25 | 06/19/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 06/19/25 | 06/19/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 06/19/25 | 06/19/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 06/19/25 | 06/19/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 06/19/25 | 06/19/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 06/19/25 | 06/19/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 06/19/25 | 06/19/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 06/19/25 | 06/19/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 06/19/25 | 06/19/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 06/19/25 | 06/19/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 06/19/25 | 06/19/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 06/19/25 | 06/19/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 06/19/25 | 06/19/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 06/19/25 | 06/19/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |

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# Batch QC

| QC1267423 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 06/19/25 | 06/19/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 06/19/25 | 06/19/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/19/25 | 06/19/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 06/19/25 | 06/19/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 06/19/25 | 06/19/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 06/19/25 | 06/19/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 06/19/25 | 06/19/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 06/19/25 | 06/19/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 06/19/25 | 06/19/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 06/19/25 | 06/19/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 06/19/25 | 06/19/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 98% | | %REC | 70-130 | | 06/19/25 | 06/19/25 |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 06/19/25 | 06/19/25 |
| Toluene-d8 | 102% | | %REC | 70-130 | | 06/19/25 | 06/19/25 |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 06/19/25 | 06/19/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1267489** | **Batch:** | **374323** |
| **Matrix (Source ID):** | **Water (535738-002)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1267489 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 16.11 | ND | 20.00 | ug/L | 81% | | 62-131 | 1 |
| MTBE | 15.61 | ND | 20.00 | ug/L | 78% | | 61-124 | 1 |
| Benzene | 17.34 | ND | 20.00 | ug/L | 87% | | 70-123 | 1 |
| Trichloroethene | 17.38 | ND | 20.00 | ug/L | 87% | | 65-131 | 1 |
| Toluene | 17.19 | ND | 20.00 | ug/L | 86% | | 69-120 | 1 |
| Chlorobenzene | 17.09 | ND | 20.00 | ug/L | 85% | | 72-121 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 48.53 | | 50.00 | ug/L | 97% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 48.54 | | 50.00 | ug/L | 97% | | 70-130 | 1 |
| Toluene-d8 | 50.29 | | 50.00 | ug/L | 101% | | 70-130 | 1 |
| Bromofluorobenzene | 48.89 | | 50.00 | ug/L | 98% | | 70-130 | 1 |

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1267490 | Batch: | 374323 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535738-002) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1267490 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 12.55 | ND | 20.00 | ug/L | 63% | | 62-131 | 25 | 31 | 1 |
| MTBE | 12.74 | ND | 20.00 | ug/L | 64% | | 61-124 | 20 | 30 | 1 |
| Benzene | 13.52 | ND | 20.00 | ug/L | 68% | * | 70-123 | 25 | 31 | 1 |
| Trichloroethene | 13.77 | ND | 20.00 | ug/L | 69% | | 65-131 | 23 | 31 | 1 |
| Toluene | 13.70 | ND | 20.00 | ug/L | 68% | * | 69-120 | 23 | 29 | 1 |
| Chlorobenzene | 13.79 | ND | 20.00 | ug/L | 69% | * | 72-121 | 21 | 29 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 48.54 | | 50.00 | ug/L | 97% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 49.37 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |
| Toluene-d8 | 50.30 | | 50.00 | ug/L | 101% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.95 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1265202 | Batch: | 373691 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265202 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 06/11/25 | 06/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 06/11/25 | 06/14/25 |

| Type: | Lab Control Sample | Lab ID: | QC1265203 | Batch: | 373691 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265203 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.43 | 10.00 | ug/L | 104% | | 79-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.83 | 10.00 | ug/L | 108% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1265204 | Batch: | 373691 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265204 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.27 | 10.00 | ug/L | 103% | | 79-120 | 2 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.03 | 10.00 | ug/L | 100% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1266505 | Batch: | 374050 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1266505 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 06/16/25 | 06/16/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1266506 **Batch:** 374050
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266506 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1266507 **Batch:** 374050
**Matrix (Source ID):** Water (535154-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266507 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.7000 | ND | 1.000 | mg/L | 70% | * | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1266508 **Batch:** 374050
**Matrix (Source ID):** Water (535154-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266508 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.7000 | ND | 1.000 | mg/L | 70% | * | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1265232 **Batch:** 373701
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1265232 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 06/11/25 | 06/12/25 |

**Type:** Lab Control Sample **Lab ID:** QC1265233 **Batch:** 373701
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1265233 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 23.82 | 25.00 | mg/L | 95% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1265234 **Batch:** 373701
**Matrix (Source ID):** Water (534901-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1265234 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.85 | 1.589 | 25.00 | mg/L | 109% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1265235 **Batch:** 373701
**Matrix (Source ID):** Water (534901-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1265235 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.07 | 1.589 | 25.00 | mg/L | 110% | | 75-125 | 1 | 25 | 1 |

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# Batch QC

| Type: Blank | Lab ID: QC1265236 | Batch: 373703 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1265236 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 06/11/25 | 06/11/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 06/11/25 | 06/11/25 |

| Type: Lab Control Sample | Lab ID: QC1265239 | Batch: 373703 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1265239 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,053 | 1000 | mg/L | 105% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1265977 | Batch: 373703 |
|---|---|---|
| Matrix (Source ID): Water (535016-005) | Method: SM2320B | Prep Method: METHOD |

| QC1265977 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 118.5 | 110.6 | mg/L | | 7 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 118.5 | 110.6 | mg/L | | 7 | 20 | 2.5 |

| Type: Blank | Lab ID: QC1264920 | Batch: 373594 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1264920 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 5.0 | | 06/10/25 | 06/11/25 |

| Type: Lab Control Sample | Lab ID: QC1264921 | Batch: 373594 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1264921 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,002 | 1000 | mg/L | 100% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1264922 | Batch: 373594 |
|---|---|---|
| Matrix (Source ID): Water (535012-001) | Method: SM2540C | Prep Method: METHOD |

| QC1264922 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,044 | 1018 | mg/L | | 3 | 5 | 2 |

| Type: Sample Duplicate | Lab ID: QC1264923 | Batch: 373594 |
|---|---|---|
| Matrix (Source ID): Water (535106-001) | Method: SM2540C | Prep Method: METHOD |

| QC1264923 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 3,292 | 3234 | mg/L | | 2 | 5 | 2 |

# Batch QC

| | |
|---|---|
| * | Value is outside QC limits |
| E | Response exceeds instrument's linear range |
| ND | Not Detected |
| NM | Not Meaningful |

**Laboratory Job Number 535016**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2506925

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-535016

**Project Location:**
**Project Received:** 06/13/2025

Analytical Report reviewed & approved for release on 06/16/2025 by:

Yen Cao

Yen Cao
Project Manager

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McCampbell Analytical, Inc.
*"When Quality Counts"*

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2506925

**Project:** EO-535016

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2506925

**Project:** EO-535016

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506925 |
| **Date Received:** | 06/13/2025 10:08 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 06/16/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-535016 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-18 | 2506925-001A | Water | 06/09/2025 08:27 | GC26 0616251105.D | 319445 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3500** | 200 | 200 | 4 | 06/16/2025 11:59 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-21 | 2506925-002A | Water | 06/09/2025 09:08 | GC26 0616251106.D | 319445 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **360** | 50 | 50 | 1 | 06/16/2025 13:02 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-31 | 2506925-003A | Water | 06/09/2025 10:24 | GC26 0616251108.D | 319445 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **40,000** | 2500 | 2500 | 50 | 06/16/2025 13:53 |

Analyst(s): CLO

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506925 |
| **Date Received:** | 06/13/2025 10:08 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 06/16/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-535016 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-12 | 2506925-004A | Water | 06/09/2025 11:28 | GC26 0616251109.D | 319445 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1600** | 50 | 50 | 1 | 06/16/2025 14:25 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-7 | 2506925-005A | Water | 06/09/2025 12:42 | GC26 0616251110.D | 319445 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **950** | 50 | 50 | 1 | 06/16/2025 14:43 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506925 |
| **Date Prepared:** | 06/16/2025 | **BatchID:** | 319445 |
| **Date Analyzed:** | 06/16/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-535016 | **Sample ID:** | MB/LCS/LCSD-319445 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 140 | 187.2 | 75 | 73 | 70-130 | 2.06 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2506925** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 079649
Project: EO-535016

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT:** **1 day;**

*Date Received:* **06/13/2025**
*Date Logged:* **06/13/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2506925-001 | DW-18 | Water | 6/9/2025 08:27 | ☐ | A | A | | | | | | | | | | |
| 2506925-002 | DW-21 | Water | 6/9/2025 09:08 | ☐ | A | A | | | | | | | | | | |
| 2506925-003 | DW-31 | Water | 6/9/2025 10:24 | ☐ | A | A | | | | | | | | | | |
| 2506925-004 | DW-12 | Water | 6/9/2025 11:28 | ☐ | A | A | | | | | | | | | | |
| 2506925-005 | DW-7 | Water | 6/9/2025 12:42 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Valerie Alfaro**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-535016
**Comments**

**Work Order:** 2506925
**QC Level:** LEVEL 2
**Date Logged:** 6/13/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-18 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/9/2025 8:27 | 1 day | 6/16/2025 | None | ☐ | ☐ |
| 002A | DW-21 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/9/2025 9:08 | 1 day | 6/16/2025 | None | ☐ | ☐ |
| 003A | DW-31 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/9/2025 10:24 | 1 day | 6/16/2025 | Present | ☐ | ☐ |
| 004A | DW-12 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/9/2025 11:28 | 1 day | 6/16/2025 | None | ☐ | ☐ |
| 005A | DW-7 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/9/2025 12:42 | 1 day | 6/16/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2506925

**HOLD TIME RUSH**

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-535016
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-18 | 09-JUN-2025 08:27 | 535016-001 | 3 | Water | RSK-175 CO2 | |
| DW-21 | 09-JUN-2025 09:08 | 535016-002 | 3 | Water | RSK-175 CO2 | |
| DW-31 | 09-JUN-2025 10:24 | 535016-003 | 3 | Water | RSK-175 CO2 | |
| DW-12 | 09-JUN-2025 11:28 | 535016-004 | 3 | Water | RSK-175 CO2 | |
| DW-7 | 09-JUN-2025 12:42 | 535016-005 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | EA-ORA | GLS |
| | Date: 6/10/25 1620 | Date: |
| | GLS | |
| | Date: | Date: 6/13/25 1008 |
| | | |
| | Date: | Date: |

1.1°wet
IR#3

TN: 563117164

1 of 1

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# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 6/13/2025 10:08 |
| Project: | EO-535016 | Date Logged: | 6/13/2025 |
| | | Received by: | |
| WorkOrder №: | 2506925 Matrix: | Logged by: | Valerie Alfaro |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | NA | ☐ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 1.1°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments: Sample 2506925-001A with method RSK175 (CO2) was received unpreserved. Sample 2506925-002A with method RSK175 (CO2) was received unpreserved. Sample 2506925-003A with method RSK175 (CO2) was received unpreserved. Sample 2506925-004A with method RSK175 (CO2) was received unpreserved. Sample 2506925-005A with method RSK175 (CO2) was received unpreserved.


54 of 54

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 535148
Report Level : II
Report Date : 06/25/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill / Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 535148<br>GW MONITORING<br>Chiquita Canyon Landfill / Quarterly MPars<br>06/10/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-28 | 535148-001 | 06/10/25 08:59 | Water |
| DW-8 | 535148-002 | 06/10/25 10:21 | Water |
| DW-9 | 535148-003 | 06/10/25 11:31 | Water |
| DW-29 | 535148-004 | 06/10/25 12:35 | Water |
| QCFB | 535148-005 | 06/10/25 11:34 | Water |
| QCTB | 535148-006 | 06/10/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 535148<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill / Quarterly MPars<br>Date Received: 06/10/25 |

This data package contains sample and QC results for six water samples, requested for the above referenced project on 06/11/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**

- Low recoveries were observed for sulfide in the MS/MSD for batch 374050; the parent sample was not a project sample, and the LCS was within limits.
- No other analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 535148

Page: 1 of 1

| Turn Around Time (rush by advanced notice only) | | | | | |
|---|---|---|---|---|---|
| Standard: | X | 5 Day: | | 3 Day: | |
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** 5.0/5.0 IR 14 +0.0 (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-28 | 6/10/25 | 859 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-8 | ↓ | 1021 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 3 | DW-9 | ↓ | 1131 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 4 | DW-29 | ↓ | 1235 | ↓ | ↓ | ↓ | X | X | X | X | X | X | X | X | X |
| 5 | QCFB | ↓ | 1134 | ↓ | 3 | ↓ | X | | | | | | | | |
| 6 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Comments**

**Quarterly MPars**

**cc report to:**
**pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

Login 535148

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 6.10.25 1335 |
| [1] Received By: | | Jim Lin | EA-NH | 6.10.25 1335 |
| [2] Relinquished By: | | Jim Lin | EA-NH | 6.11.25 9:30 |
| [2] Received By: | | Gema O. | EANH | 6.11.25 9:30 ~~10:46~~ |
| [3] Relinquished By: | | Gema O. | EANH | 6.11.25 10:46 |
| [3] Received By: | | Doruc | EA | 6.11.25 1100 |

REL: Doruc EA 6/11/25 1300

Received By: NCM EA 6/11/25 1300

90 6.11.25

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 6.10.25 WO# _____ Client: Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present? ☐ Yes ☒ No**

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in or Pickup

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6.10.25 By (initials) JWL Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.7C

Cooler Temp (°C) #1: 14.3 / 13.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 6/11/25 WO# 535148 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6/11/25 By (initials) DEP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 13 CF: +0.0

Cooler Temp (°C) #1: 5.0 / 5.0 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| Section 4: Containers / Labels / Samples | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | X |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | | X | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | X | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.10 A: Received Nitrate @ half holding time remaining

☐ **No additional discrepancies**

**Date Logged** 6/10/25 **By (print)** ABD **(sign)** ABD

**Date Labeled** 6/11/25 **By (print)** MSK & JXR **(sign)** Signed for MSK & JXR

ENTHALPY ANALYTICAL

# Analysis Results for 535148

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 535148
Project No: GW MONITORING
Location: Chiquita Canyon Landfill / Quarterly MPars
Date Received: 06/10/25

**Sample ID: DW-28** **Lab ID: 535148-001** **Collected: 06/10/25 08:59**
**Matrix: Water**

| 535148-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **1.4** | | mg/L | 0.20 | 0.073 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 18:37 | AJL |
| Chloride | **36** | | mg/L | 1.0 | 0.27 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 18:37 | AJL |
| Bromide | **0.18** | J | mg/L | 0.30 | 0.060 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 18:37 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 18:37 | AJL |
| Sulfate | **470** | | mg/L | 10 | 1.8 | 10 | 373677 | 06/11/25 14:45 | 06/11/25 18:54 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.34** | | mg/L | 0.10 | 0.034 | 1 | 374373 | 06/19/25 | 06/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.3** | | mg/L | 0.050 | 0.0062 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Calcium | **4.7** | | mg/L | 1.0 | 0.57 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Iron | ND | | mg/L | 0.10 | 0.041 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Magnesium | **0.82** | | mg/L | 0.10 | 0.025 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Manganese | **0.0036** | J | mg/L | 0.010 | 0.0029 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Potassium | **0.93** | | mg/L | 0.50 | 0.42 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Sodium | **350** | | mg/L | 0.50 | 0.34 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| 535148-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 104% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| 535148-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374050 | 06/16/25 | 06/16/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.77** | J | mg/L | 1.0 | 0.68 | 1 | 373701 | 06/11/25 | 06/12/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **300** | | mg/L | 5.0 | | 2.5 | 373912 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **370** | | mg/L | 5.0 | | 2.5 | 373912 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,100** | | mg/L | 20 | | 2 | 373802 | 06/12/25 | 06/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| Sample ID: DW-8 | Lab ID: 535148-002 | Collected: 06/10/25 10:21 |
|---|---|---|
| | Matrix: Water | |

| 535148-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.21** | | mg/L | 0.20 | 0.073 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 19:11 | AJL |
| Chloride | **68** | | mg/L | 1.0 | 0.27 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 19:11 | AJL |
| Bromide | **0.18** | J | mg/L | 0.30 | 0.060 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 19:11 | AJL |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 19:11 | AJL |
| Sulfate | **2,900** | | mg/L | 50 | 9.1 | 50 | 373677 | 06/11/25 14:45 | 06/11/25 19:45 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **1.1** | | mg/L | 0.10 | 0.034 | 1 | 374373 | 06/19/25 | 06/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1.0** | | mg/L | 0.050 | 0.0062 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Calcium | **350** | | mg/L | 1.0 | 0.57 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Iron | **5.2** | | mg/L | 0.10 | 0.041 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Magnesium | **210** | | mg/L | 0.10 | 0.025 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Manganese | **0.065** | | mg/L | 0.010 | 0.0029 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Potassium | **6.2** | | mg/L | 0.50 | 0.42 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Sodium | **590** | | mg/L | 0.50 | 0.34 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| 535148-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 104% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535148

| 535148-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374050 | 06/16/25 | 06/16/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **2.8** | | mg/L | 1.0 | 0.68 | 1 | 373701 | 06/11/25 | 06/12/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **530** | | mg/L | 10 | | 5 | 373912 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **530** | | mg/L | 10 | | 5 | 373912 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **4,700** | | mg/L | 40 | | 4 | 373802 | 06/12/25 | 06/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| Sample ID: DW-9 | Lab ID: 535148-003 | Collected: 06/10/25 11:31 |
|---|---|---|
| | Matrix: Water | |

| 535148-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **2.2** | | mg/L | 0.20 | 0.073 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 20:01 | AJL |
| Chloride | **82** | | mg/L | 1.0 | 0.27 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 20:01 | AJL |
| Bromide | **0.25** | J | mg/L | 0.30 | 0.060 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 20:01 | AJL |
| Nitrogen, Nitrate | **2.2** | | mg/L | 0.10 | 0.05 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 20:01 | AJL |
| Sulfate | **690** | | mg/L | 10 | 1.8 | 10 | 373677 | 06/11/25 14:45 | 06/11/25 20:18 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.034 | 1 | 374373 | 06/19/25 | 06/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.58** | | mg/L | 0.050 | 0.0062 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Calcium | **21** | | mg/L | 1.0 | 0.57 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Iron | ND | | mg/L | 0.10 | 0.041 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Magnesium | **2.2** | | mg/L | 0.10 | 0.025 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Potassium | **1.2** | | mg/L | 0.50 | 0.42 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Sodium | **370** | | mg/L | 0.50 | 0.34 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| 535148-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535148

| 535148-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 105% | | %REC | 80-120 | | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374050 | 06/16/25 | 06/16/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 373701 | 06/11/25 | 06/12/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 373912 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 373912 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,300** | | mg/L | 20 | | 2 | 373802 | 06/12/25 | 06/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| Sample ID: DW-29 | Lab ID: 535148-004 | Collected: 06/10/25 12:35 |
|---|---|---|
| | Matrix: Water | |

| 535148-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.36** | | mg/L | 0.20 | 0.073 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 16:56 | AJL |
| Chloride | **94** | | mg/L | 1.0 | 0.27 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 16:56 | AJL |
| Bromide | **0.29** | J | mg/L | 0.30 | 0.060 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 16:56 | AJL |
| Nitrogen, Nitrate | **2.4** | | mg/L | 0.10 | 0.05 | 1 | 373677 | 06/11/25 14:45 | 06/11/25 16:56 | AJL |
| Sulfate | **390** | | mg/L | 10 | 1.8 | 10 | 373677 | 06/11/25 14:45 | 06/11/25 17:46 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.47** | | mg/L | 0.10 | 0.034 | 1 | 374373 | 06/19/25 | 06/20/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **7.0** | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.35** | | mg/L | 0.050 | 0.0062 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Calcium | **67** | | mg/L | 1.0 | 0.57 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Iron | **0.076** | J | mg/L | 0.10 | 0.041 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Magnesium | **9.0** | | mg/L | 0.10 | 0.025 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Manganese | **0.070** | | mg/L | 0.010 | 0.0029 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Potassium | **1.3** | | mg/L | 0.50 | 0.42 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Sodium | **230** | | mg/L | 0.50 | 0.34 | 1 | 373713 | 06/11/25 | 06/11/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| 535148-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 104% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535148

| 535148-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 103% | | %REC | 80-120 | | 1 | 373691 | 06/11/25 | 06/14/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374050 | 06/16/25 | 06/16/25 | WWC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **7.5** | | mg/L | 1.0 | 0.68 | 1 | 373701 | 06/11/25 | 06/12/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **340** | | mg/L | 5.0 | | 2.5 | 373912 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **340** | | mg/L | 5.0 | | 2.5 | 373912 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,000** | | mg/L | 20 | | 2 | 373802 | 06/12/25 | 06/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| Sample ID: QCFB | Lab ID: 535148-005 | Collected: 06/10/25 11:34 |
|---|---|---|
| | Matrix: Water | |

| 535148-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | **7.7** | | ug/L | 5.0 | 2.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | **0.8** | J | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| 535148-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 104% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| Sample ID: QCTB | Lab ID: 535148-006 | Collected: 06/10/25 |
|---|---|---|
| | Matrix: Water | |

| 535148-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Methylene Chloride | **6.9** | | ug/L | 5.0 | 2.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chloroform | **0.8** | J | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535148

| 535148-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 374089 | 06/17/25 | 06/17/25 | ZST |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1265149 | **Batch:** 373677 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1265149 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 06/11/25 14:45 | 06/11/25 15:15 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 06/11/25 14:45 | 06/11/25 15:15 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 06/11/25 14:45 | 06/11/25 15:15 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 06/11/25 14:45 | 06/11/25 15:15 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 06/11/25 14:45 | 06/11/25 15:15 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1265150 | **Batch:** 373677 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1265150 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 10.10 | 10.00 | mg/L | 101% | | 90-110 |
| Chloride | 48.34 | 50.00 | mg/L | 97% | | 90-110 |
| Bromide | 15.30 | 15.00 | mg/L | 102% | | 90-110 |
| Nitrogen, Nitrate | 4.641 | 4.518 | mg/L | 103% | | 90-110 |
| Sulfate | 25.02 | 25.00 | mg/L | 100% | | 90-110 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1265179 | **Batch:** 373677 |
| **Matrix (Source ID):** Water (535170-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1265179 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.81 | 0.07482 | 20.00 | mg/L | 99% | | 80-129 | 1 |
| Chloride | 117.9 | 13.57 | 100.0 | mg/L | 104% | | 80-123 | 1 |
| Bromide | 15.04 | ND | 15.00 | mg/L | 100% | | 80-121 | 1 |
| Nitrogen, Nitrate | 10.85 | 1.555 | 9.036 | mg/L | 103% | | 80-123 | 1 |
| Sulfate | 65.48 | 14.75 | 50.00 | mg/L | 101% | | 79-124 | 1 |

| | | |
|---|---|---|
| **Type:** Matrix Spike Duplicate | **Lab ID:** QC1265180 | **Batch:** 373677 |
| **Matrix (Source ID):** Water (535170-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1265180 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.71 | 0.07482 | 20.00 | mg/L | 98% | | 80-129 | 1 | 21 | 1 |
| Chloride | 117.3 | 13.57 | 100.0 | mg/L | 104% | | 80-123 | 0 | 20 | 1 |
| Bromide | 14.94 | ND | 15.00 | mg/L | 100% | | 80-121 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 10.80 | 1.555 | 9.036 | mg/L | 102% | | 80-123 | 0 | 20 | 1 |
| Sulfate | 65.17 | 14.75 | 50.00 | mg/L | 101% | | 79-124 | 0 | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1265181 | Batch: | 373677 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535148-004) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1265181 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.36 | 0.3594 | 20.00 | mg/L | 105% | | 80-129 | 1 |
| Chloride | 190.8 | 93.83 | 100.0 | mg/L | 97% | | 80-123 | 1 |
| Bromide | 15.51 | 0.2924 | 15.00 | mg/L | 101% | | 80-121 | 1 |
| Nitrogen, Nitrate | 11.62 | 2.378 | 9.036 | mg/L | 102% | | 80-123 | 1 |
| Sulfate | 353.1 | 385.4 | 50.00 | mg/L | -65% | E,NM | 79-124 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1265182 | Batch: | 373677 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535148-004) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1265182 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.38 | 0.3594 | 20.00 | mg/L | 105% | | 80-129 | 0 | 21 | 1 |
| Chloride | 190.8 | 93.83 | 100.0 | mg/L | 97% | | 80-123 | 0 | 20 | 1 |
| Bromide | 15.50 | 0.2924 | 15.00 | mg/L | 101% | | 80-121 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 11.62 | 2.378 | 9.036 | mg/L | 102% | | 80-123 | 0 | 20 | 1 |
| Sulfate | 353.0 | 385.4 | 50.00 | mg/L | -65% | E,NM | 79-124 | | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1267564 | Batch: | 374373 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267564 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.026 | 1.000 | mg/L | 103% | | 90-110 |

| Type: | Blank | Lab ID: | QC1267565 | Batch: | 374373 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267565 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.034 | 06/19/25 | 06/20/25 |

| Type: | Matrix Spike | Lab ID: | QC1267566 | Batch: | 374373 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535016-005) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267566 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.044 | ND | 1.000 | mg/L | 104% | | 90-110 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1267567 | Batch: | 374373 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535016-005) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267567 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9878 | ND | 1.000 | mg/L | 99% | | 90-110 | 6 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1267568 | Batch: | 374373 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535069-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267568 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.144 | 0.1718 | 1.000 | mg/L | 97% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1267569 | Batch: | 374373 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535069-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267569 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.272 | 0.1718 | 1.000 | mg/L | 110% | | 90-110 | 11 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1268268 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268268 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 06/22/25 | 06/22/25 |

| Type: | Lab Control Sample | Lab ID: | QC1268269 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268269 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 97.00 | 100.0 | mg/L | 97% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1268270 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535016-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268270 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 100.0 | 10.00 | 100.0 | mg/L | 90% | | 75-125 | 2 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1268271** | **Batch:** | **374561** |
| **Matrix (Source ID):** | **Water (535016-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1268271 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 100.0 | 10.00 | 100.0 | mg/L | 90% | | 75-125 | 0 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1268272** | **Batch:** | **374561** |
| **Matrix (Source ID):** | **Water (535279-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1268272 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 86.00 | ND | 100.0 | mg/L | 86% | | 75-125 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1268273** | **Batch:** | **374561** |
| **Matrix (Source ID):** | **Water (535279-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1268273 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 88.00 | ND | 100.0 | mg/L | 88% | | 75-125 | 2 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1265266** | **Batch:** | **373713** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1265266 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0062 | 06/11/25 | 06/11/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 06/11/25 | 06/11/25 |
| Iron | ND | | mg/L | 0.041 | 0.041 | 06/11/25 | 06/11/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 06/11/25 | 06/11/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 06/11/25 | 06/11/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 06/11/25 | 06/11/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 06/11/25 | 06/11/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1265267** | **Batch:** | **373713** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1265267 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3664 | 0.4000 | mg/L | 92% | | 80-120 |
| Calcium | 18.49 | 20.40 | mg/L | 91% | | 80-120 |
| Iron | 0.3767 | 0.4000 | mg/L | 94% | | 80-120 |
| Magnesium | 19.31 | 20.40 | mg/L | 95% | | 80-120 |
| Manganese | 0.3766 | 0.4000 | mg/L | 94% | | 80-120 |
| Potassium | 21.69 | 24.00 | mg/L | 90% | | 80-120 |
| Sodium | 18.68 | 20.40 | mg/L | 92% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1265268 | Batch: | 373713 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535184-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1265268 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.4881 | 0.1194 | 0.4000 | mg/L | 92% | | 75-125 | 1 |
| Calcium | 66.44 | 48.70 | 20.40 | mg/L | 87% | | 75-125 | 1 |
| Iron | 0.3758 | ND | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Magnesium | 38.65 | 19.43 | 20.40 | mg/L | 94% | | 75-125 | 1 |
| Manganese | 0.3692 | ND | 0.4000 | mg/L | 92% | | 75-125 | 1 |
| Potassium | 25.58 | 3.649 | 24.00 | mg/L | 91% | | 75-125 | 1 |
| Sodium | 92.79 | 75.25 | 20.40 | mg/L | 86% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1265269 | Batch: | 373713 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535184-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1265269 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.4907 | 0.1194 | 0.4000 | mg/L | 93% | | 75-125 | 1 | 20 | 1 |
| Calcium | 66.61 | 48.70 | 20.40 | mg/L | 88% | | 75-125 | 0 | 20 | 1 |
| Iron | 0.3776 | ND | 0.4000 | mg/L | 94% | | 75-125 | 0 | 22 | 1 |
| Magnesium | 38.92 | 19.43 | 20.40 | mg/L | 96% | | 75-125 | 1 | 20 | 1 |
| Manganese | 0.3723 | ND | 0.4000 | mg/L | 93% | | 75-125 | 1 | 20 | 1 |
| Potassium | 25.79 | 3.649 | 24.00 | mg/L | 92% | | 75-125 | 1 | 20 | 1 |
| Sodium | 92.78 | 75.25 | 20.40 | mg/L | 86% | | 75-125 | 0 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1265320 | Batch: | 373713 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535184-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1265320 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.1131 | 0.1194 | mg/L | J | | | 5 |
| Calcium | 48.46 | 48.70 | mg/L | | | | 5 |
| Iron | ND | ND | mg/L | | | | 5 |
| Magnesium | 19.45 | 19.43 | mg/L | | | | 5 |
| Manganese | ND | ND | mg/L | | | | 5 |
| Potassium | 3.164 | 3.649 | mg/L | | | | 5 |
| Sodium | 76.32 | 75.25 | mg/L | | | | 5 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1266638 | Batch: 374089 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1266638 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 53.66 | 50.00 | ug/L | 107% | | 69-128 |
| MTBE | 47.29 | 50.00 | ug/L | 95% | | 66-125 |
| Benzene | 53.14 | 50.00 | ug/L | 106% | | 76-121 |
| Trichloroethene | 52.17 | 50.00 | ug/L | 104% | | 76-124 |
| Toluene | 51.41 | 50.00 | ug/L | 103% | | 76-120 |
| Chlorobenzene | 50.60 | 50.00 | ug/L | 101% | | 78-120 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 50.67 | 50.00 | ug/L | 101% | | 70-130 |
| 1,2-Dichloroethane-d4 | 48.76 | 50.00 | ug/L | 98% | | 70-130 |
| Toluene-d8 | 49.30 | 50.00 | ug/L | 99% | | 70-130 |
| Bromofluorobenzene | 47.96 | 50.00 | ug/L | 96% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1266639 | Batch: 374089 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1266639 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 52.16 | 50.00 | ug/L | 104% | | 69-128 | 3 | 23 |
| MTBE | 48.62 | 50.00 | ug/L | 97% | | 66-125 | 3 | 22 |
| Benzene | 52.33 | 50.00 | ug/L | 105% | | 76-121 | 2 | 21 |
| Trichloroethene | 50.59 | 50.00 | ug/L | 101% | | 76-124 | 3 | 22 |
| Toluene | 51.52 | 50.00 | ug/L | 103% | | 76-120 | 0 | 21 |
| Chlorobenzene | 50.71 | 50.00 | ug/L | 101% | | 78-120 | 0 | 20 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 50.40 | 50.00 | ug/L | 101% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 48.92 | 50.00 | ug/L | 98% | | 70-130 | | |
| Toluene-d8 | 49.39 | 50.00 | ug/L | 99% | | 70-130 | | |
| Bromofluorobenzene | 47.36 | 50.00 | ug/L | 95% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1266643** | **Batch:** | **374089** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1266643 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 06/17/25 | 06/17/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 06/17/25 | 06/17/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 06/17/25 | 06/17/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 06/17/25 | 06/17/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 06/17/25 | 06/17/25 |
| Acetone | ND | | ug/L | 100 | 21 | 06/17/25 | 06/17/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 06/17/25 | 06/17/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 06/17/25 | 06/17/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 06/17/25 | 06/17/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 06/17/25 | 06/17/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 06/17/25 | 06/17/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 06/17/25 | 06/17/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 06/17/25 | 06/17/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 06/17/25 | 06/17/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 06/17/25 | 06/17/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 06/17/25 | 06/17/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 06/17/25 | 06/17/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 06/17/25 | 06/17/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 06/17/25 | 06/17/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |

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# Batch QC

| QC1266643 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 06/17/25 | 06/17/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 06/17/25 | 06/17/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/17/25 | 06/17/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 06/17/25 | 06/17/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 06/17/25 | 06/17/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 06/17/25 | 06/17/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 06/17/25 | 06/17/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 06/17/25 | 06/17/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 06/17/25 | 06/17/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 06/17/25 | 06/17/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 06/17/25 | 06/17/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 06/17/25 | 06/17/25 |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 06/17/25 | 06/17/25 |
| Toluene-d8 | 103% | | %REC | 70-130 | | 06/17/25 | 06/17/25 |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 06/17/25 | 06/17/25 |

**Type:** Matrix Spike **Lab ID:** QC1266702 **Batch:** 374089
**Matrix (Source ID):** Water (535567-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1266702 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 1,054 | ND | 1000 | ug/L | 105% | | 62-131 | 50 |
| MTBE | 915.0 | ND | 1000 | ug/L | 92% | | 61-124 | 50 |
| Benzene | 1,060 | 9.959 | 1000 | ug/L | 105% | | 70-123 | 50 |
| Trichloroethene | 1,074 | ND | 1000 | ug/L | 107% | | 65-131 | 50 |
| Toluene | 1,070 | ND | 1000 | ug/L | 107% | | 69-120 | 50 |
| Chlorobenzene | 1,018 | ND | 1000 | ug/L | 102% | | 72-121 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,472 | | 2500 | ug/L | 99% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,417 | | 2500 | ug/L | 97% | | 70-130 | 50 |
| Toluene-d8 | 2,553 | | 2500 | ug/L | 102% | | 70-130 | 50 |
| Bromofluorobenzene | 2,434 | | 2500 | ug/L | 97% | | 70-130 | 50 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1266703 | Batch: | 374089 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535567-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1266703 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 970.4 | ND | 1000 | ug/L | 97% | | 62-131 | 8 | 31 | 50 |
| MTBE | 875.6 | ND | 1000 | ug/L | 88% | | 61-124 | 4 | 30 | 50 |
| Benzene | 985.5 | 9.959 | 1000 | ug/L | 98% | | 70-123 | 7 | 31 | 50 |
| Trichloroethene | 966.5 | ND | 1000 | ug/L | 97% | | 65-131 | 10 | 31 | 50 |
| Toluene | 976.8 | ND | 1000 | ug/L | 98% | | 69-120 | 9 | 29 | 50 |
| Chlorobenzene | 953.0 | ND | 1000 | ug/L | 95% | | 72-121 | 7 | 29 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,464 | | 2500 | ug/L | 99% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,442 | | 2500 | ug/L | 98% | | 70-130 | | | 50 |
| Toluene-d8 | 2,506 | | 2500 | ug/L | 100% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,435 | | 2500 | ug/L | 97% | | 70-130 | | | 50 |

| Type: | Blank | Lab ID: | QC1265202 | Batch: | 373691 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265202 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 06/11/25 | 06/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 06/11/25 | 06/14/25 |

| Type: | Lab Control Sample | Lab ID: | QC1265203 | Batch: | 373691 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265203 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.43 | 10.00 | ug/L | 104% | | 79-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.83 | 10.00 | ug/L | 108% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1265204 | Batch: | 373691 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265204 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.27 | 10.00 | ug/L | 103% | | 79-120 | 2 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.03 | 10.00 | ug/L | 100% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1266505 | Batch: | 374050 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1266505 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 06/16/25 | 06/16/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1266506 **Batch:** 374050
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266506 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1266507 **Batch:** 374050
**Matrix (Source ID):** Water (535154-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266507 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.7000 | ND | 1.000 | mg/L | 70% | * | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1266508 **Batch:** 374050
**Matrix (Source ID):** Water (535154-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266508 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.7000 | ND | 1.000 | mg/L | 70% | * | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1265232 **Batch:** 373701
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1265232 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 06/11/25 | 06/12/25 |

**Type:** Lab Control Sample **Lab ID:** QC1265233 **Batch:** 373701
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1265233 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 23.82 | 25.00 | mg/L | 95% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1265234 **Batch:** 373701
**Matrix (Source ID):** Water (534901-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1265234 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.85 | 1.589 | 25.00 | mg/L | 109% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1265235 **Batch:** 373701
**Matrix (Source ID):** Water (534901-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1265235 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.07 | 1.589 | 25.00 | mg/L | 110% | | 75-125 | 1 | 25 | 1 |

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# Batch QC

| Type: Blank | Lab ID: QC1265978 | Batch: 373912 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1265978 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 06/13/25 | 06/13/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 06/13/25 | 06/13/25 |

| Type: Lab Control Sample | Lab ID: QC1265979 | Batch: 373912 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1265979 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,053 | 1000 | mg/L | 105% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1265980 | Batch: 373912 |
|---|---|---|
| Matrix (Source ID): Water (535240-001) | Method: SM2320B | Prep Method: METHOD |

| QC1265980 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 346.9 | 352.2 | mg/L | | 2 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 346.9 | 352.2 | mg/L | | 2 | 20 | 2.5 |

| Type: Blank | Lab ID: QC1265569 | Batch: 373802 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1265569 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 5.0 | | 06/12/25 | 06/15/25 |

| Type: Lab Control Sample | Lab ID: QC1265570 | Batch: 373802 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1265570 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,007 | 1000 | mg/L | 101% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1265571 | Batch: 373802 |
|---|---|---|
| Matrix (Source ID): Water (535148-001) | Method: SM2540C | Prep Method: METHOD |

| QC1265571 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,148 | 1116 | mg/L | | 3 | 5 | 2 |

| Type: Sample Duplicate | Lab ID: QC1265572 | Batch: 373802 |
|---|---|---|
| Matrix (Source ID): Water (535234-001) | Method: SM2540C | Prep Method: METHOD |

| QC1265572 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,510 | 1476 | mg/L | | 2 | 5 | 2 |

# Batch QC

| | |
|---|---|
| * | Value is outside QC limits |
| E | Response exceeds instrument's linear range |
| J | Estimated value |
| ND | Not Detected |
| NM | Not Meaningful |

**Laboratory Job Number 535148**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2506874

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-535148

**Project Location:**
**Project Received:** 06/13/2025

Analytical Report reviewed & approved for release on 06/17/2025 by:

Yen Cao

Yen Cao
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2506874
**Project:** EO-535148

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2506874

**Project:** EO-535148

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506874 |
| **Date Received:** | 06/13/2025 9:29 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 06/17/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-535148 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-28 | 2506874-001A | Water | 06/10/2025 08:59 | GC26 0617250905.D | 319538 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1100** | 50 | 50 | 1 | 06/17/2025 11:06 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-8 | 2506874-002A | Water | 06/10/2025 10:21 | GC26 0617250907.D | 319538 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **33,000** | 2000 | 2000 | 40 | 06/17/2025 11:43 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-9 | 2506874-003A | Water | 06/10/2025 11:31 | GC26 0617250908.D | 319538 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **940** | 50 | 50 | 1 | 06/17/2025 12:07 |

Analyst(s): CLO

*(Cont.)*

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506874 |
| **Date Received:** | 06/13/2025 9:29 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 06/17/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-535148 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-29 | 2506874-004A | Water | 06/10/2025 12:35 | GC26 0617250910.D | 319538 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **9900** | 500 | 500 | 10 | 06/17/2025 13:21 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506874 |
| **Date Prepared:** | 06/17/2025 | **BatchID:** | 319538 |
| **Date Analyzed:** | 06/17/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-535148 | **Sample ID:** | MB/LCS/LCSD-319538 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 150 | 187.2 | 74 | 79 | 70-130 | 5.79 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2506874** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-535148

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 2 days;**

*Date Received:* **06/13/2025**
*Date Logged:* **06/13/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2506874-001 | DW-28 | Water | 6/10/2025 08:59 | ☐ | A | A | | | | | | | | | | |
| 2506874-002 | DW-8 | Water | 6/10/2025 10:21 | ☐ | A | A | | | | | | | | | | |
| 2506874-003 | DW-9 | Water | 6/10/2025 11:31 | ☐ | A | A | | | | | | | | | | |
| 2506874-004 | DW-29 | Water | 6/10/2025 12:35 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-535148 **Work Order:** 2506874
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 6/13/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-28 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/10/2025 8:59 | 2 days | 6/17/2025 | None | ☐ | ☐ |
| 002A | DW-8 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/10/2025 10:21 | 2 days | 6/17/2025 | Present | ☐ | ☐ |
| 003A | DW-9 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/10/2025 11:31 | 2 days | 6/17/2025 | None | ☐ | ☐ |
| 004A | DW-29 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/10/2025 12:35 | 2 days | 6/17/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

25068874

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-535148
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-28 | 10-JUN-2025 08:59 | 535148-001 | 3 | Water | RSK-175 CO2 | |
| DW-8 | 10-JUN-2025 10:21 | 535148-002 | 3 | Water | RSK-175 CO2 | |
| DW-9 | 10-JUN-2025 11:31 | 535148-003 | 3 | Water | RSK-175 CO2 | |
| DW-29 | 10-JUN-2025 12:35 | 535148-004 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Whitaker EA-ORA | |
| | Date: 6/12/25 1520 | Date: |
| | | Emily Pe |
| | Date: | Date: 6/13/25 0929 |
| | | |
| | Date: | Date: |

FedEx: 881993334519

1.0 wet
1839

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# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 6/13/2025 09:29 |
| Project: | EO-535148 | Date Logged: | 6/13/2025 |
| | | Received by: | Emily Perez |
| WorkOrder №: | 2506874 Matrix: Water | Logged by: | Emily Perez |
| Carrier: | FedEx | | |

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☐ | No ☐ | NA ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | NA ☑ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 1°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☑ | No ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments: Sample 2506874-001A with method RSK175 (CO2) was received unpreserved. Sample 2506874-002A with method RSK175 (CO2) was received unpreserved. Sample 2506874-003A with method RSK175 (CO2) was received unpreserved. Sample 2506874-004A with method RSK175 (CO2) was received unpreserved.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 535279
Report Level : II
Report Date : 06/26/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill / Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 535279<br>GW MONITORING<br>Chiquita Canyon Landfill / Quarterly MPars<br>06/11/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-15 | 535279-001 | 06/11/25 07:37 | Water |
| DW-30 | 535279-002 | 06/11/25 08:30 | Water |
| DW-17 | 535279-003 | 06/11/25 09:41 | Water |
| DW-14 | 535279-004 | 06/11/25 11:12 | Water |
| PZ-4 | 535279-005 | 06/11/25 12:21 | Water |
| QCFB | 535279-006 | 06/11/25 09:44 | Water |
| QCTB | 535279-007 | 06/11/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 535279<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill / Quarterly MPars<br>Date Received: 06/11/25 |

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 06/12/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**

- Low recoveries were observed for sulfide in the MS/MSD for batch 374159; the parent sample was not a project sample, and the LCS was within limits.
- No other analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

EA ENTHALPY ANALYTICAL

Login 535279

(714) 771-6900

**Chain of Custody Record**

Lab No: 535279

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |

**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

**Test Instructions / Comments**

EA 13

4-3, 4-3

3-6, 3-6

Quarterly MPars

cc report to: pchang@changenvironmental.com Basic EDD & GeoTracker EDF

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-15 | 6/11/25 | 737 | W | 14 | var. | X | X | X | X | X | X | X | X | X | |
| 2 | DW-30 | | 830 | | 14 | | X | X | X | X | X | X | X | X | X | |
| 3 | DW-17 | | 941 | | 13 | | X | X | X | X | X | X | X | X | X | |
| 4 | DW-14 | | 1112 | | 13 | | X | X | X | X | X | X | X | X | X | |
| 5 | PZ-4 | | 1221 | | 13 | | X | X | X | X | X | X | X | X | X | |
| 6 | QCFB | ↓ | 944 | | 3 | | X | | | | | | | | | |
| 7 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Paul Chang | CEI | 06/11/25 ~~11:30~~ 1330 |
| 1 Received By: | | Alice Tahmasian | EA INH | 06/11/25 ~~11:30~~ 1330 |
| 2 Relinquished By: | | Alice Tahmasian | EA INH | 06/12/25 9:15 |
| 2 Received By: | | Gema O. | EA NH | 6-12-25 9:15 |
| 3 Relinquished By: | | Gema O. | EA NH | 6-12-25 10:16 |
| 3 Received By: | | | | 6-12-25 1140 |

Nicole EA 6-12-25 1205 Michael Kamen EA 6/12/25 1305

## SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 06/11/25 WO# _____ Client: Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Courier

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 06/11/25 By (initials) AXT Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7 °C

Cooler Temp (°C) #1: 16.2/15.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)**_____ **(sign)**_____

**Date Labeled** _____ **By (print)**_____ **(sign)**_____

## SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 6/12/25 WO# 535279 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

■ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6/12/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR 13 CF: +0.0

Cooler Temp (°C) #1: 4.8 / 4.8 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

| Section 4: Containers / Labels / Samples | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | | X | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | X |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | | X | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.1: Sampling time for -005 is after relinquish time.

☐ **No additional discrepancies**

**Date Logged** 6/11/25 **By (print)** ABD **(sign)** ABD

**Date Labeled** 6/12/25 **By (print)** NIG **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 535279

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 535279
Project No: GW MONITORING
Location: Chiquita Canyon Landfill / Quarterly MPars
Date Received: 06/11/25

**Sample ID: DW-15** **Lab ID: 535279-001** **Collected: 06/11/25 07:37**
**Matrix: Water**

| 535279-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 15:18 | BPH |
| Chloride | **75** | | mg/L | 1.0 | 0.27 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 15:18 | BPH |
| Bromide | **0.14** | J | mg/L | 0.30 | 0.060 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 15:18 | BPH |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 15:18 | BPH |
| Sulfate | **1,400** | | mg/L | 20 | 3.7 | 20 | 373791 | 06/12/25 13:22 | 06/12/25 15:35 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.12** | | mg/L | 0.10 | 0.050 | 1 | 374483 | 06/20/25 | 06/23/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.22** | | mg/L | 0.050 | 0.0062 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Calcium | **230** | | mg/L | 1.0 | 0.57 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Iron | **0.93** | | mg/L | 0.10 | 0.041 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Magnesium | **33** | | mg/L | 0.10 | 0.025 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Manganese | **0.61** | | mg/L | 0.010 | 0.0029 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Potassium | **2.8** | | mg/L | 0.50 | 0.42 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Sodium | **400** | | mg/L | 0.50 | 0.34 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535279

| 535279-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,4-Dichlorobenzene | **0.2** | J | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 113% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535279

| 535279-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 105% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 103% | | %REC | 80-120 | | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374159 | 06/17/25 | 06/17/25 | TXC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **1.1** | | mg/L | 1.0 | 0.68 | 1 | 374109 | 06/17/25 | 06/17/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **2,500** | | mg/L | 20 | | 2 | 373802 | 06/12/25 | 06/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535279

| Sample ID: DW-30 | Lab ID: 535279-002 | Collected: 06/11/25 08:30 |
|---|---|---|
| | Matrix: Water | |

| 535279-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.94** | | mg/L | 0.20 | 0.073 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 15:52 | BPH |
| Chloride | **59** | | mg/L | 1.0 | 0.27 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 15:52 | BPH |
| Bromide | **0.13** | J | mg/L | 0.30 | 0.060 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 15:52 | BPH |
| Nitrogen, Nitrate | **0.22** | | mg/L | 0.10 | 0.05 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 15:52 | BPH |
| Sulfate | **310** | | mg/L | 10 | 1.8 | 10 | 373791 | 06/12/25 13:22 | 06/12/25 16:09 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 374483 | 06/20/25 | 06/23/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.20** | | mg/L | 0.050 | 0.0062 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Calcium | **37** | | mg/L | 1.0 | 0.57 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Iron | **0.31** | | mg/L | 0.10 | 0.041 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Magnesium | **5.9** | | mg/L | 0.10 | 0.025 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Manganese | **0.033** | | mg/L | 0.010 | 0.0029 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Potassium | **1.7** | | mg/L | 0.50 | 0.42 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Sodium | **190** | | mg/L | 0.50 | 0.34 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535279

| 535279-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Tetrachloroethene | **0.6** | J | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 109% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 105% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene-d8 | 96% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535279

| 535279-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374159 | 06/17/25 | 06/17/25 | TXC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.91** | J | mg/L | 1.0 | 0.68 | 1 | 374109 | 06/17/25 | 06/17/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **770** | | mg/L | 20 | | 2 | 373802 | 06/12/25 | 06/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535279

| Sample ID: DW-17 | Lab ID: 535279-003 | Collected: 06/11/25 09:41 |
|---|---|---|
| | Matrix: Water | |

| 535279-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.19** | J | mg/L | 0.20 | 0.073 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:00 | BPH |
| Chloride | **150** | | mg/L | 1.0 | 0.27 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:00 | BPH |
| Bromide | **0.29** | J | mg/L | 0.30 | 0.060 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:00 | BPH |
| Nitrogen, Nitrate | **0.99** | | mg/L | 0.10 | 0.05 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:00 | BPH |
| Sulfate | **190** | | mg/L | 10 | 1.8 | 10 | 373791 | 06/12/25 13:22 | 06/12/25 17:17 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 374483 | 06/20/25 | 06/23/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.084** | | mg/L | 0.050 | 0.0062 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Calcium | **4.7** | | mg/L | 1.0 | 0.57 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Iron | ND | | mg/L | 0.10 | 0.041 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Magnesium | **0.13** | | mg/L | 0.10 | 0.025 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Potassium | **0.77** | | mg/L | 0.50 | 0.42 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Sodium | **220** | | mg/L | 0.50 | 0.34 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535279

| 535279-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 113% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 107% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535279

| 535279-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374159 | 06/17/25 | 06/17/25 | TXC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 374109 | 06/17/25 | 06/17/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **96** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **150** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **660** | | mg/L | 20 | | 2 | 373802 | 06/12/25 | 06/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535279

| Sample ID: DW-14 | Lab ID: 535279-004 | Collected: 06/11/25 11:12 |
|---|---|---|
| | Matrix: Water | |

| 535279-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.43** | | mg/L | 0.20 | 0.073 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:33 | AJL |
| Chloride | **97** | | mg/L | 1.0 | 0.27 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:33 | AJL |
| Bromide | **0.12** | J | mg/L | 0.30 | 0.060 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:33 | AJL |
| Nitrogen, Nitrate | **0.33** | | mg/L | 0.10 | 0.05 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:33 | AJL |
| Sulfate | **30** | | mg/L | 1.0 | 0.18 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:33 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 374483 | 06/20/25 | 06/23/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.12** | | mg/L | 0.050 | 0.0062 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Calcium | **2.5** | | mg/L | 1.0 | 0.57 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Iron | **0.19** | | mg/L | 0.10 | 0.041 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Magnesium | **0.18** | | mg/L | 0.10 | 0.025 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Potassium | **0.61** | | mg/L | 0.50 | 0.42 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Sodium | **140** | | mg/L | 0.50 | 0.34 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535279

| 535279-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 112% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 106% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene-d8 | 97% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535279

| 535279-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 104% | | %REC | 80-120 | | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374159 | 06/17/25 | 06/17/25 | TXC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.78** | J | mg/L | 1.0 | 0.68 | 1 | 374109 | 06/17/25 | 06/17/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **130** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **180** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **420** | | mg/L | 20 | | 2 | 373802 | 06/12/25 | 06/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535279

| Sample ID: PZ-4 | Lab ID: 535279-005 | Collected: 06/11/25 12:21 |
|---|---|---|
| | Matrix: Water | |

| 535279-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.60** | | mg/L | 0.20 | 0.073 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:50 | AJL |
| Chloride | **60** | | mg/L | 1.0 | 0.27 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:50 | AJL |
| Bromide | **0.14** | J | mg/L | 0.30 | 0.060 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:50 | AJL |
| Nitrogen, Nitrate | **1.2** | | mg/L | 0.10 | 0.05 | 1 | 373791 | 06/12/25 13:22 | 06/12/25 17:50 | AJL |
| Sulfate | **130** | | mg/L | 10 | 1.8 | 10 | 373791 | 06/12/25 13:22 | 06/12/25 18:07 | AJL |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 374483 | 06/20/25 | 06/23/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **7.0** | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.31** | | mg/L | 0.050 | 0.0062 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Calcium | **51** | | mg/L | 1.0 | 0.57 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Iron | ND | | mg/L | 0.10 | 0.041 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Magnesium | **9.9** | | mg/L | 0.10 | 0.025 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Potassium | **2.3** | | mg/L | 0.50 | 0.42 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Sodium | **180** | | mg/L | 0.50 | 0.34 | 1 | 373801 | 06/12/25 | 06/12/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 12 | **1.1** | J | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 535279

| 535279-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 109% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 103% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535279

| 535279-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374159 | 06/17/25 | 06/17/25 | TXC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **6.7** | | mg/L | 1.0 | 0.68 | 1 | 374109 | 06/17/25 | 06/17/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **430** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **430** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **720** | | mg/L | 20 | | 2 | 373802 | 06/12/25 | 06/15/25 | RDL |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 535279

| Sample ID: QCFB | Lab ID: 535279-006 | Collected: 06/11/25 09:44 |
|---|---|---|
| | Matrix: Water | |

| 535279-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Methylene Chloride | **7.0** | | ug/L | 5.0 | 3.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroform | **0.8** | J | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 535279

| 535279-006 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 104% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535279

| Sample ID: QCTB | Lab ID: 535279-007 | Collected: 06/11/25 |
|---|---|---|
| | Matrix: Water | |

| 535279-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535279

| 535279-007 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 104% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 374210 | 06/18/25 | 06/18/25 | EJB |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1265519** | **Batch:** | **373791** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1265519 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 06/12/25 13:22 | 06/12/25 13:38 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 06/12/25 13:22 | 06/12/25 13:38 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 06/12/25 13:22 | 06/12/25 13:38 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 06/12/25 13:22 | 06/12/25 13:38 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 06/12/25 13:22 | 06/12/25 13:38 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1265520** | **Batch:** | **373791** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1265520 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 10.09 | 10.00 | mg/L | 101% | | 90-110 |
| Chloride | 48.19 | 50.00 | mg/L | 96% | | 90-110 |
| Bromide | 15.29 | 15.00 | mg/L | 102% | | 90-110 |
| Nitrogen, Nitrate | 4.630 | 4.518 | mg/L | 102% | | 90-110 |
| Sulfate | 24.85 | 25.00 | mg/L | 99% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1265521** | **Batch:** | **373791** |
| **Matrix (Source ID):** | **Water (535240-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1265521 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.32 | 0.2001 | 20.00 | mg/L | 106% | | 80-129 | 1 |
| Chloride | 125.9 | 20.39 | 100.0 | mg/L | 106% | | 80-123 | 1 |
| Bromide | 15.28 | 0.07415 | 15.00 | mg/L | 101% | | 80-121 | 1 |
| Nitrogen, Nitrate | 11.83 | 2.901 | 9.036 | mg/L | 99% | | 80-123 | 1 |
| Sulfate | 94.90 | 44.91 | 50.00 | mg/L | 100% | | 79-124 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1265522** | **Batch:** | **373791** |
| **Matrix (Source ID):** | **Water (535240-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1265522 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.21 | 0.2001 | 20.00 | mg/L | 105% | | 80-129 | 1 | 21 | 1 |
| Chloride | 125.4 | 20.39 | 100.0 | mg/L | 105% | | 80-123 | 0 | 20 | 1 |
| Bromide | 15.18 | 0.07415 | 15.00 | mg/L | 101% | | 80-121 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 11.77 | 2.901 | 9.036 | mg/L | 98% | | 80-123 | 1 | 20 | 1 |
| Sulfate | 94.66 | 44.91 | 50.00 | mg/L | 99% | | 79-124 | 0 | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1265642 | Batch: | 373791 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-004) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1265642 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.46 | 0.4301 | 20.00 | mg/L | 105% | | 80-129 | 1 |
| Chloride | 192.8 | 96.56 | 100.0 | mg/L | 96% | | 80-123 | 1 |
| Bromide | 15.35 | 0.1172 | 15.00 | mg/L | 102% | | 80-121 | 1 |
| Nitrogen, Nitrate | 9.717 | 0.3266 | 9.036 | mg/L | 104% | | 80-123 | 1 |
| Sulfate | 80.42 | 30.02 | 50.00 | mg/L | 101% | | 79-124 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1265643 | Batch: | 373791 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-004) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1265643 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 22.08 | 0.4301 | 20.00 | mg/L | 108% | | 80-129 | 3 | 21 | 1 |
| Chloride | 195.4 | 96.56 | 100.0 | mg/L | 99% | | 80-123 | 1 | 20 | 1 |
| Bromide | 15.79 | 0.1172 | 15.00 | mg/L | 104% | | 80-121 | 3 | 20 | 1 |
| Nitrogen, Nitrate | 9.979 | 0.3266 | 9.036 | mg/L | 107% | | 80-123 | 3 | 20 | 1 |
| Sulfate | 81.85 | 30.02 | 50.00 | mg/L | 104% | | 79-124 | 2 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1267953 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267953 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 06/20/25 | 06/23/25 |

| Type: | Lab Control Sample | Lab ID: | QC1267954 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267954 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9415 | 1.000 | mg/L | 94% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1267962 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267962 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.102 | 0.1190 | 1.000 | mg/L | 98% | | 90-110 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1267963 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267963 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.087 | 0.1190 | 1.000 | mg/L | 97% | | 90-110 | 1 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1267964 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267964 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9626 | ND | 1.000 | mg/L | 96% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1267965 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267965 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.014 | ND | 1.000 | mg/L | 101% | | 90-110 | 5 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1268268 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268268 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 06/22/25 | 06/22/25 |

| Type: | Lab Control Sample | Lab ID: | QC1268269 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268269 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 97.00 | 100.0 | mg/L | 97% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1268270 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535016-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268270 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 100.0 | 10.00 | 100.0 | mg/L | 90% | | 75-125 | 2 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1268271** | **Batch:** | **374561** |
| **Matrix (Source ID):** | **Water (535016-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1268271 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 100.0 | 10.00 | 100.0 | mg/L | 90% | | 75-125 | 0 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1268272** | **Batch:** | **374561** |
| **Matrix (Source ID):** | **Water (535279-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1268272 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 86.00 | ND | 100.0 | mg/L | 86% | | 75-125 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1268273** | **Batch:** | **374561** |
| **Matrix (Source ID):** | **Water (535279-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1268273 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 88.00 | ND | 100.0 | mg/L | 88% | | 75-125 | 2 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1265564** | **Batch:** | **373801** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1265564 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0062 | 06/12/25 | 06/12/25 |
| Calcium | ND | | mg/L | 1.0 | 0.57 | 06/12/25 | 06/12/25 |
| Iron | ND | | mg/L | 0.10 | 0.041 | 06/12/25 | 06/12/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 06/12/25 | 06/12/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 06/12/25 | 06/12/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 06/12/25 | 06/12/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 06/12/25 | 06/12/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1265565** | **Batch:** | **373801** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1265565 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3607 | 0.4000 | mg/L | 90% | | 80-120 |
| Calcium | 18.56 | 20.40 | mg/L | 91% | | 80-120 |
| Iron | 0.3745 | 0.4000 | mg/L | 94% | | 80-120 |
| Magnesium | 19.37 | 20.40 | mg/L | 95% | | 80-120 |
| Manganese | 0.3694 | 0.4000 | mg/L | 92% | | 80-120 |
| Potassium | 22.07 | 24.00 | mg/L | 92% | | 80-120 |
| Sodium | 18.73 | 20.40 | mg/L | 92% | | 80-120 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1265566 | Batch: | 373801 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1265566 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.5956 | 0.2185 | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Calcium | 251.6 | 234.8 | 20.40 | mg/L | 83% | NM | 75-125 | 1 |
| Iron | 1.281 | 0.9269 | 0.4000 | mg/L | 89% | | 75-125 | 1 |
| Magnesium | 52.24 | 33.09 | 20.40 | mg/L | 94% | | 75-125 | 1 |
| Manganese | 0.9733 | 0.6111 | 0.4000 | mg/L | 91% | | 75-125 | 1 |
| Potassium | 26.53 | 2.818 | 24.00 | mg/L | 99% | | 75-125 | 1 |
| Sodium | 418.5 | 401.9 | 20.40 | mg/L | 81% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1265567 | Batch: | 373801 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1265567 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.5955 | 0.2185 | 0.4000 | mg/L | 94% | | 75-125 | 0 | 20 | 1 |
| Calcium | 251.1 | 234.8 | 20.40 | mg/L | 80% | NM | 75-125 | 0 | 20 | 1 |
| Iron | 1.283 | 0.9269 | 0.4000 | mg/L | 89% | | 75-125 | 0 | 22 | 1 |
| Magnesium | 52.04 | 33.09 | 20.40 | mg/L | 93% | | 75-125 | 0 | 20 | 1 |
| Manganese | 0.9711 | 0.6111 | 0.4000 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Potassium | 26.46 | 2.818 | 24.00 | mg/L | 99% | | 75-125 | 0 | 20 | 1 |
| Sodium | 418.3 | 401.9 | 20.40 | mg/L | 80% | NM | 75-125 | 0 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1265613 | Batch: | 373801 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1265613 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.2123 | 0.2185 | mg/L | J | | | 5 |
| Calcium | 240.4 | 234.8 | mg/L | | | | 5 |
| Iron | 0.9579 | 0.9269 | mg/L | | | | 5 |
| Magnesium | 33.96 | 33.09 | mg/L | | | | 5 |
| Manganese | 0.6296 | 0.6111 | mg/L | | | | 5 |
| Potassium | 2.624 | 2.818 | mg/L | | | | 5 |
| Sodium | 411.2 | 401.9 | mg/L | | | | 5 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1267030** | **Batch:** | **374210** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1267030 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 51.29 | 50.00 | ug/L | 103% | | 69-128 |
| MTBE | 50.00 | 50.00 | ug/L | 100% | | 66-125 |
| Benzene | 49.54 | 50.00 | ug/L | 99% | | 76-121 |
| Trichloroethene | 50.99 | 50.00 | ug/L | 102% | | 76-124 |
| Toluene | 49.95 | 50.00 | ug/L | 100% | | 76-120 |
| Chlorobenzene | 49.35 | 50.00 | ug/L | 99% | | 78-120 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 50.69 | 50.00 | ug/L | 101% | | 70-130 |
| 1,2-Dichloroethane-d4 | 50.14 | 50.00 | ug/L | 100% | | 70-130 |
| Toluene-d8 | 49.82 | 50.00 | ug/L | 100% | | 70-130 |
| Bromofluorobenzene | 48.98 | 50.00 | ug/L | 98% | | 70-130 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1267035** | **Batch:** | **374210** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1267035 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 06/18/25 | 06/18/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Acetone | ND | | ug/L | 100 | 44 | 06/18/25 | 06/18/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 06/18/25 | 06/18/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 06/18/25 | 06/18/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 06/18/25 | 06/18/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 06/18/25 | 06/18/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 06/18/25 | 06/18/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 06/18/25 | 06/18/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 06/18/25 | 06/18/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 06/18/25 | 06/18/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1267035 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 06/18/25 | 06/18/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 06/18/25 | 06/18/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 06/18/25 | 06/18/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 06/18/25 | 06/18/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 06/18/25 | 06/18/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 06/18/25 | 06/18/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 06/18/25 | 06/18/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 06/18/25 | 06/18/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 06/18/25 | 06/18/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 06/18/25 | 06/18/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 06/18/25 | 06/18/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 06/18/25 | 06/18/25 |
| 1,2-Dichloroethane-d4 | 103% | | %REC | 70-130 | | 06/18/25 | 06/18/25 |
| Toluene-d8 | 101% | | %REC | 70-130 | | 06/18/25 | 06/18/25 |
| Bromofluorobenzene | 103% | | %REC | 70-130 | | 06/18/25 | 06/18/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1267109** | **Batch:** | **374210** |
| **Matrix (Source ID):** | **Water (535642-001)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1267109 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 20.43 | ND | 20.00 | ug/L | 102% | | 62-131 | 1 |
| MTBE | 19.37 | ND | 20.00 | ug/L | 97% | | 61-124 | 1 |
| Benzene | 19.65 | ND | 20.00 | ug/L | 98% | | 70-123 | 1 |
| Trichloroethene | 20.94 | ND | 20.00 | ug/L | 105% | | 65-131 | 1 |
| Toluene | 19.75 | ND | 20.00 | ug/L | 99% | | 69-120 | 1 |
| Chlorobenzene | 19.59 | ND | 20.00 | ug/L | 98% | | 72-121 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.89 | | 50.00 | ug/L | 104% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 51.81 | | 50.00 | ug/L | 104% | | 70-130 | 1 |
| Toluene-d8 | 48.87 | | 50.00 | ug/L | 98% | | 70-130 | 1 |
| Bromofluorobenzene | 48.71 | | 50.00 | ug/L | 97% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1267110 | Batch: | 374210 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535642-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1267110 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 19.25 | ND | 20.00 | ug/L | 96% | | 62-131 | 6 | 31 | 1 |
| MTBE | 18.92 | ND | 20.00 | ug/L | 95% | | 61-124 | 2 | 30 | 1 |
| Benzene | 18.61 | ND | 20.00 | ug/L | 93% | | 70-123 | 5 | 31 | 1 |
| Trichloroethene | 20.31 | ND | 20.00 | ug/L | 102% | | 65-131 | 3 | 31 | 1 |
| Toluene | 19.17 | ND | 20.00 | ug/L | 96% | | 69-120 | 3 | 29 | 1 |
| Chlorobenzene | 19.32 | ND | 20.00 | ug/L | 97% | | 72-121 | 1 | 29 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 51.39 | | 50.00 | ug/L | 103% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 50.73 | | 50.00 | ug/L | 101% | | 70-130 | | | 1 |
| Toluene-d8 | 50.10 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.61 | | 50.00 | ug/L | 97% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1265827 | Batch: | 373873 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265827 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 06/13/25 | 06/16/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 06/13/25 | 06/16/25 |

| Type: | Lab Control Sample | Lab ID: | QC1265828 | Batch: | 373873 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265828 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.614 | 10.00 | ug/L | 96% | | 79-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.22 | 10.00 | ug/L | 102% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1265829 | Batch: | 373873 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265829 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.29 | 10.00 | ug/L | 103% | | 79-120 | 7 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.44 | 10.00 | ug/L | 104% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1266870 | Batch: | 374159 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1266870 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 06/17/25 | 06/17/25 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1266871 **Batch:** 374159
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266871 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1266872 **Batch:** 374159
**Matrix (Source ID):** Water (535508-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266872 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.7000 | ND | 1.000 | mg/L | 70% | * | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1266873 **Batch:** 374159
**Matrix (Source ID):** Water (535508-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266873 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.7000 | ND | 1.000 | mg/L | 70% | * | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1266723 **Batch:** 374109
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1266723 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 06/17/25 | 06/17/25 |

**Type:** Lab Control Sample **Lab ID:** QC1266724 **Batch:** 374109
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1266724 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 25.15 | 25.00 | mg/L | 101% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1266725 **Batch:** 374109
**Matrix (Source ID):** Water (535279-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1266725 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.18 | 1.099 | 25.00 | mg/L | 112% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1266726 **Batch:** 374109
**Matrix (Source ID):** Water (535279-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1266726 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.98 | 1.099 | 25.00 | mg/L | 116% | | 75-125 | 3 | 25 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1266137 | Batch: 373913 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1266137 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 06/13/25 | 06/13/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 06/13/25 | 06/13/25 |

| Type: Lab Control Sample | Lab ID: QC1266138 | Batch: 373913 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1266138 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,000 | 1000 | mg/L | 100% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1266139 | Batch: 373913 |
|---|---|---|
| Matrix (Source ID): Water (535279-001) | Method: SM2320B | Prep Method: METHOD |

| QC1266139 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 196.5 | 198.0 | mg/L | | 1 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 196.5 | 198.0 | mg/L | | 1 | 20 | 2.5 |

| Type: Blank | Lab ID: QC1265569 | Batch: 373802 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1265569 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 5.0 | | 06/12/25 | 06/15/25 |

| Type: Lab Control Sample | Lab ID: QC1265570 | Batch: 373802 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1265570 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,007 | 1000 | mg/L | 101% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1265571 | Batch: 373802 |
|---|---|---|
| Matrix (Source ID): Water (535148-001) | Method: SM2540C | Prep Method: METHOD |

| QC1265571 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,148 | 1116 | mg/L | | 3 | 5 | 2 |

| Type: Sample Duplicate | Lab ID: QC1265572 | Batch: 373802 |
|---|---|---|
| Matrix (Source ID): Water (535234-001) | Method: SM2540C | Prep Method: METHOD |

| QC1265572 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,510 | 1476 | mg/L | | 2 | 5 | 2 |

# Batch QC

| | |
|---|---|
| * | Value is outside QC limits |
| J | Estimated value |
| ND | Not Detected |
| NM | Not Meaningful |

**Laboratory Job Number 535279**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

McCampbell Analytical, Inc.
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# Analytical Report

**WorkOrder:** 2506873

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-535279

**Project Location:**
**Project Received:** 06/13/2025

Analytical Report reviewed & approved for release on 06/18/2025 by:

Jena Alfaro
Project Manager

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2506873

**Project:** EO-535279

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2506873

**Project:** EO-535279

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506873 |
| **Date Received:** | 06/13/2025 9:29 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 06/18/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-535279 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-15 | 2506873-001A | Water | 06/11/2025 07:37 | GC26 0618250906.D | 319633 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **14,000** | 500 | 500 | 10 | 06/18/2025 10:57 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-30 | 2506873-002A | Water | 06/11/2025 08:30 | GC26 0618250908.D | 319633 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **2900** | 100 | 100 | 2 | 06/18/2025 11:28 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-17 | 2506873-003A | Water | 06/11/2025 09:41 | GC26 0618250910.D | 319633 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **500** | 50 | 50 | 1 | 06/18/2025 11:55 |

Analyst(s): CLO

*(Cont.)*

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*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506873 |
| **Date Received:** | 06/13/2025 9:29 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 06/18/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-535279 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-14 | 2506873-004A | Water | 06/11/2025 11:12 | GC26 0618250911.D | 319633 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **490** | 50 | 50 | 1 | 06/18/2025 13:25 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| PZ-4 | 2506873-005A | Water | 06/11/2025 12:21 | GC26 0618250913.D | 319633 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **13,000** | 500 | 500 | 10 | 06/18/2025 13:55 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506873 |
| **Date Prepared:** | 06/18/2025 | **BatchID:** | 319633 |
| **Date Analyzed:** | 06/18/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-535279 | **Sample ID:** | MB/LCS/LCSD-319633 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 140 | 187.2 | 72 | 73 | 70-130 | 1.23 | 30 |

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1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2506873** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-535279

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 3 days;**

*Date Received:* **06/13/2025**
*Date Logged:* **06/13/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2506873-001 | DW-15 | Water | 6/11/2025 07:37 | ☐ | A | A | | | | | | | | | | |
| 2506873-002 | DW-30 | Water | 6/11/2025 08:30 | ☐ | A | A | | | | | | | | | | |
| 2506873-003 | DW-17 | Water | 6/11/2025 09:41 | ☐ | A | A | | | | | | | | | | |
| 2506873-004 | DW-14 | Water | 6/11/2025 11:12 | ☐ | A | A | | | | | | | | | | |
| 2506873-005 | PZ-4 | Water | 6/11/2025 12:21 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-535279 **Work Order:** 2506873
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 6/13/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-15 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/11/2025 7:37 | 3 days | 6/18/2025 | Present | ☐ | ☐ |
| 002A | DW-30 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/11/2025 8:30 | 3 days | 6/18/2025 | Present | ☐ | ☐ |
| 003A | DW-17 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/11/2025 9:41 | 3 days | 6/18/2025 | Present | ☐ | ☐ |
| 004A | DW-14 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/11/2025 11:12 | 3 days | 6/18/2025 | None | ☐ | ☐ |
| 005A | PZ-4 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/11/2025 12:21 | 3 days | 6/18/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2506873

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-535279
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquia Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-15 | 11-JUN-2025 07:37 | 535279-001 | 3 | Water | RSK-175 CO2 | |
| DW-30 | 11-JUN-2025 08:30 | 535279-002 | 3 | Water | RSK-175 CO2 | |
| DW-17 | 11-JUN-2025 09:41 | 535279-003 | 3 | Water | RSK-175 CO2 | |
| DW-14 | 11-JUN-2025 11:12 | 535279-004 | 3 | Water | RSK-175 CO2 | |
| PZ-4 | 11-JUN-2025 12:21 | 535279-005 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Quintero EA-ORA | |
| | Date: 6/12/25 1520 | Date: |
| | | Emily Pe |
| | Date: | Date: 6/13/25 0929 |
| | | |
| | Date: | Date: |

FedEx: 881993334519 1.0 wet 1R39

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 6/13/2025 09:29 |
| Project: | EO-535279 | Date Logged: | 6/13/2025 |
| | | Received by: | Emily Perez |
| WorkOrder №: | 2506873 Matrix: Water | Logged by: | Emily Perez |
| Carrier: | FedEx | | |

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☐ | No ☐ | NA ☑ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☐ | No ☐ | NA ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | NA ☑ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 1°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☐ | No ☐ | NA ☑ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments: Sample 2506873-001A with method RSK175 (CO2) was received unpreserved. Sample 2506873-002A with method RSK175 (CO2) was received unpreserved. Sample 2506873-003A with method RSK175 (CO2) was received unpreserved. Sample 2506873-004A with method RSK175 (CO2) was received unpreserved. Sample 2506873-005A with method RSK175 (CO2) was received unpreserved.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 535357
Report Level : II
Report Date : 06/27/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: GW MONITORING - Chiquita Canyon Landfill / Quarterly MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 535357<br>GW MONITORING<br>Chiquita Canyon Landfill / Quarterly MPars<br>06/12/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| DW-1 | 535357-001 | 06/12/25 08:28 | Water |
| DW-16 | 535357-002 | 06/12/25 09:31 | Water |
| DW-3 | 535357-003 | 06/12/25 10:43 | Water |
| QCFB | 535357-004 | 06/12/25 08:41 | Water |
| QCTB | 535357-005 | 06/12/25 00:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 535357<br>Project No: GW MONITORING<br>Location: Chiquita Canyon Landfill / Quarterly MPars<br>Date Received: 06/12/25 |

This data package contains sample and QC results for five water samples, requested for the above referenced project on 06/12/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- High recoveries were observed for a number of analytes in the MS/MSD of DW-1 (lab # 535357-001); the LCS was within limits.
- Responses exceeding the instrument's linear range were observed for chloride and sulfate in the MS/MSD for batch 373888 and the MS/MSD of DW-1 (lab # 535357-001); affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**

- Low recoveries were observed for sulfide in the MS/MSD for batch 374159; the parent sample was not a project sample, and the LCS was within limits.
- No other analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 535357

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** IR11 +0.1 4.5/4.6 (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | L10003464243 |
| Fax: | | Sampled By: | Paul Chang |

**Test Instructions / Comments**

**Quarterly MPars**

**cc report to:**
**pchang@changenvironmental.com Basic EDD & GeoTracker EDF**

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Ammonia-N, Nitrate-N | COD, Cl, SO4, TDS, TOC | B, Ca, Fe, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DW-1 | 6/12/25 | 828 | W | 13 | var. | X | X | X | X | X | X | X | X | X |
| 2 | DW-16 | ↓ | 931 | ↓ | 13 | ↓ | X | X | X | X | X | X | X | X | X |
| 3 | DW-3 | ↓ | 1043 | ↓ | 13 | ↓ | X | X | X | X | X | X | X | X | X |
| 4 | QCFB | ↓ | 841 | ↓ | 3 | ↓ | X | | | | | | | | |
| 5 | QCTB | — | — | ↓ | 2 | ↓ | X | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Login 535357

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 6-12-25 12:20 |
| [1] Received By: | | Alice Tahmasian | EA/NH | 6-12-25 12:20 |
| [2] Relinquished By: | | Alice Tahmasian | EA/NH | 6-13-25 9:30 |
| [2] Received By: | | GEMA O. | EANH | 6/13/25 9:30 |
| [3] Relinquished By: | | GEMA O. | EANH | 6/13/25 11:18 |
| [3] Received By: | | JELBERT QUITUGUA | EA-ORA | 6/13/25 1200 |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 06-12-25 WO# 535357 Client: Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☒ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: walk in

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 6-12-25 By (initials) AXT Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: 0.7°C

Cooler Temp (°C) #1: 18.2 / 17.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** _____ **By (print)**_____ **(sign)**_____

**Date Labeled** _____ **By (print)**_____ **(sign)**_____

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**
Date Received: 6/13/25 WO# 535357 Client: WASTE CONNECTIONS

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☑ No
Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☑ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 6/13/25 By (initials) JRQ Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: 1R11 CF: +0.1
Cooler Temp (°C) #1: 4.5 / 4.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | / | | |
| 2) Is the sampler's name present on the CoC? | / | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | / | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | / | | |
| 5) Were all of, and only, the correct samples received? | / | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | / | | |
| 7) Does the container count match the CoC? | / | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | / | | |
| 9) Were samples received in proper containers for the analyses requested? | / | | |
| 10) Were samples received with > 1/2 holding time remaining? | / | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | / | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | / | |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | / | | |

**Section 5: Explanations / Comments**
(If no comments are made, then no discrepancies noted.)

☑ **No additional discrepancies**

**Date Logged** 6/12/25 **By (print)** FPD **(sign)** _____
**Date Labeled** 6/13/25 **By (print)** JRQ **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 535357

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 535357
Project No: GW MONITORING
Location: Chiquita Canyon Landfill / Quarterly MPars
Date Received: 06/12/25

**Sample ID: DW-1** **Lab ID: 535357-001** **Collected: 06/12/25 08:28**
**Matrix: Water**

| 535357-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.82** | | mg/L | 0.20 | 0.073 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 14:41 | SSN |
| Chloride | **110** | | mg/L | 1.0 | 0.27 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 14:41 | SSN |
| Bromide | **0.27** | J | mg/L | 0.30 | 0.060 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 14:41 | SSN |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 14:41 | SSN |
| Sulfate | **370** | | mg/L | 10 | 1.8 | 10 | 373888 | 06/13/25 13:39 | 06/13/25 15:32 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 374483 | 06/20/25 | 06/23/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.23** | | mg/L | 0.050 | 0.0062 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Calcium | **59** | | mg/L | 1.0 | 0.57 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Iron | ND | | mg/L | 0.10 | 0.041 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Magnesium | **11** | | mg/L | 0.10 | 0.025 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Manganese | **0.049** | | mg/L | 0.010 | 0.0029 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Potassium | **2.5** | | mg/L | 0.50 | 0.42 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Sodium | **230** | | mg/L | 0.50 | 0.34 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Freon 12 | **0.4** | J | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1-Dichloroethane | **0.2** | J | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535357

| 535357-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Tetrachloroethene | **0.2** | J | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535357

| 535357-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Toluene-d8 | 103% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 108% | | %REC | 80-120 | | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374159 | 06/17/25 | 06/17/25 | TXC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **0.98** | J | mg/L | 1.0 | 0.68 | 1 | 374109 | 06/17/25 | 06/17/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **200** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **920** | | mg/L | 20 | | 2 | 373977 | 06/15/25 | 06/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535357

| Sample ID: DW-16 | Lab ID: 535357-002 | Collected: 06/12/25 09:31 |
|---|---|---|
| | Matrix: Water | |

| 535357-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.43** | | mg/L | 0.20 | 0.073 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 15:49 | SSN |
| Chloride | **110** | | mg/L | 1.0 | 0.27 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 15:49 | SSN |
| Bromide | **0.23** | J | mg/L | 0.30 | 0.060 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 15:49 | SSN |
| Nitrogen, Nitrate | **2.3** | | mg/L | 0.10 | 0.05 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 15:49 | SSN |
| Sulfate | **190** | | mg/L | 10 | 1.8 | 10 | 373888 | 06/13/25 13:39 | 06/13/25 16:06 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.056** | J | mg/L | 0.10 | 0.050 | 1 | 374483 | 06/20/25 | 06/23/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.13** | | mg/L | 0.050 | 0.0055 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Calcium | **7.2** | | mg/L | 1.0 | 0.57 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Iron | ND | | mg/L | 0.10 | 0.041 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Magnesium | **0.40** | | mg/L | 0.10 | 0.025 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Potassium | **0.95** | | mg/L | 0.50 | 0.42 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Sodium | **250** | | mg/L | 0.50 | 0.34 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Freon 12 | **0.4** | J | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Trichlorofluoromethane | **0.1** | J | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1-Dichloroethane | **1.2** | J | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| cis-1,2-Dichloroethene | **0.7** | J | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Chloroform | **0.1** | J | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535357

| 535357-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Trichloroethene | **0.7** | J | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Tetrachloroethene | **0.6** | J | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,4-Dichlorobenzene | **0.2** | J | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 105% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| 1,2-Dichloroethane-d4 | 102% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | HMN |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535357

| 535357-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 107% | | %REC | 80-120 | | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374159 | 06/17/25 | 06/17/25 | TXC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **4.2** | | mg/L | 1.0 | 0.68 | 1 | 374109 | 06/17/25 | 06/17/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **250** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **250** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **710** | | mg/L | 20 | | 2 | 373977 | 06/15/25 | 06/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535357

| Sample ID: DW-3 | Lab ID: 535357-003 | Collected: 06/12/25 10:43 |
|---|---|---|
| | Matrix: Water | |

| 535357-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.71** | | mg/L | 0.20 | 0.073 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 16:23 | SSN |
| Chloride | **56** | | mg/L | 1.0 | 0.27 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 16:23 | SSN |
| Bromide | **0.15** | J | mg/L | 0.30 | 0.060 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 16:23 | SSN |
| Nitrogen, Nitrate | **1.8** | | mg/L | 0.10 | 0.05 | 1 | 373888 | 06/13/25 13:39 | 06/13/25 16:23 | SSN |
| Sulfate | **100** | | mg/L | 10 | 1.8 | 10 | 373888 | 06/13/25 13:39 | 06/13/25 17:13 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 374483 | 06/20/25 | 06/23/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 1 | 374561 | 06/22/25 | 06/22/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.26** | | mg/L | 0.050 | 0.0055 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Calcium | **35** | | mg/L | 1.0 | 0.57 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Iron | ND | | mg/L | 0.10 | 0.041 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Magnesium | **4.2** | | mg/L | 0.10 | 0.025 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Potassium | **1.9** | | mg/L | 0.50 | 0.42 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Sodium | **120** | | mg/L | 0.50 | 0.34 | 1 | 373951 | 06/14/25 | 06/15/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Freon 12 | **4.1** | J | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Trichlorofluoromethane | **0.1** | J | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethane | **0.2** | J | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535357

| 535357-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Tetrachloroethene | **0.8** | J | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 104% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Toluene-d8 | 101% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 535357

| 535357-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 103% | | %REC | 80-120 | | 1 | 373873 | 06/13/25 | 06/16/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374159 | 06/17/25 | 06/17/25 | TXC |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 1 | 374109 | 06/17/25 | 06/17/25 | CKN |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Alkalinity, Total as CaCO3 | **190** | | mg/L | 5.0 | | 2.5 | 373913 | 06/13/25 | 06/13/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **440** | | mg/L | 20 | | 2 | 373977 | 06/15/25 | 06/18/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535357

| Sample ID: QCFB | Lab ID: 535357-004 | Collected: 06/12/25 08:41 |
|---|---|---|
| | Matrix: Water | |

| 535357-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Methylene Chloride | **6.7** | | ug/L | 5.0 | 2.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chloroform | **0.7** | J | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535357

| 535357-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535357

| Sample ID: QCTB | Lab ID: 535357-005 | Collected: 06/12/25 |
|---|---|---|
| | Matrix: Water | |

| 535357-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535357

| 535357-005 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 374211 | 06/18/25 | 06/18/25 | EJB |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1265886 | Batch: 373888 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1265886 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 06/13/25 13:39 | 06/13/25 14:08 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 06/13/25 13:39 | 06/13/25 14:08 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 06/13/25 13:39 | 06/13/25 14:08 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 06/13/25 13:39 | 06/13/25 14:08 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 06/13/25 13:39 | 06/13/25 14:08 |

| Type: Lab Control Sample | Lab ID: QC1265887 | Batch: 373888 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1265887 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 10.20 | 10.00 | mg/L | 102% | | 90-110 |
| Chloride | 48.49 | 50.00 | mg/L | 97% | | 90-110 |
| Bromide | 15.38 | 15.00 | mg/L | 103% | | 90-110 |
| Nitrogen, Nitrate | 4.686 | 4.518 | mg/L | 104% | | 90-110 |
| Sulfate | 25.04 | 25.00 | mg/L | 100% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1265888 | Batch: 373888 |
|---|---|---|
| Matrix (Source ID): Water (535357-001) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1265888 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 29.45 | 0.8185 | 20.00 | mg/L | 143% | * | 80-129 | 1 |
| Chloride | 239.1 | 114.8 | 100.0 | mg/L | 124% | E,* | 80-123 | 1 |
| Bromide | 20.78 | 0.2703 | 15.00 | mg/L | 137% | * | 80-121 | 1 |
| Nitrogen, Nitrate | 12.66 | ND | 9.036 | mg/L | 140% | * | 80-123 | 1 |
| Sulfate | 350.4 | 369.7 | 50.00 | mg/L | -38% | E,NM | 79-124 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1265889 | Batch: 373888 |
|---|---|---|
| Matrix (Source ID): Water (535357-001) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1265889 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 28.74 | 0.8185 | 20.00 | mg/L | 140% | * | 80-129 | 2 | 21 | 1 |
| Chloride | 235.8 | 114.8 | 100.0 | mg/L | 121% | E | 80-123 | | 20 | 1 |
| Bromide | 20.20 | 0.2703 | 15.00 | mg/L | 133% | * | 80-121 | 3 | 20 | 1 |
| Nitrogen, Nitrate | 12.33 | ND | 9.036 | mg/L | 136% | * | 80-123 | 3 | 20 | 1 |
| Sulfate | 349.9 | 369.7 | 50.00 | mg/L | -39% | E,NM | 79-124 | | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1265948 | Batch: | 373888 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535466-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1265948 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 23.59 | 0.3610 | 20.00 | mg/L | 116% | | 80-129 | 1 |
| Chloride | 164.0 | 54.84 | 100.0 | mg/L | 109% | | 80-123 | 1 |
| Bromide | 16.39 | 0.1705 | 15.00 | mg/L | 108% | | 80-121 | 1 |
| Nitrogen, Nitrate | 17.44 | 8.529 | 9.036 | mg/L | 99% | | 80-123 | 1 |
| Sulfate | 140.6 | 90.50 | 50.00 | mg/L | 100% | E | 79-124 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1265949 | Batch: | 373888 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535466-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1265949 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 22.09 | 0.3610 | 20.00 | mg/L | 109% | | 80-129 | 7 | 21 | 1 |
| Chloride | 158.6 | 54.84 | 100.0 | mg/L | 104% | | 80-123 | 3 | 20 | 1 |
| Bromide | 15.61 | 0.1705 | 15.00 | mg/L | 103% | | 80-121 | 5 | 20 | 1 |
| Nitrogen, Nitrate | 17.04 | 8.529 | 9.036 | mg/L | 94% | | 80-123 | 2 | 20 | 1 |
| Sulfate | 136.6 | 90.50 | 50.00 | mg/L | 92% | E | 79-124 | | 20 | 1 |

| Type: | Blank | Lab ID: | QC1267953 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267953 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 06/20/25 | 06/23/25 |

| Type: | Lab Control Sample | Lab ID: | QC1267954 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267954 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9415 | 1.000 | mg/L | 94% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1267962 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267962 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.102 | 0.1190 | 1.000 | mg/L | 98% | | 90-110 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1267963 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267963 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.087 | 0.1190 | 1.000 | mg/L | 97% | | 90-110 | 1 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1267964 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267964 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 0.9626 | ND | 1.000 | mg/L | 96% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1267965 | Batch: | 374483 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535279-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1267965 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.014 | ND | 1.000 | mg/L | 101% | | 90-110 | 5 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1268268 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268268 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 06/22/25 | 06/22/25 |

| Type: | Lab Control Sample | Lab ID: | QC1268269 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268269 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 97.00 | 100.0 | mg/L | 97% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1268270 | Batch: | 374561 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535016-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268270 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 100.0 | 10.00 | 100.0 | mg/L | 90% | | 75-125 | 2 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1268271** | **Batch:** | **374561** |
| **Matrix (Source ID):** | **Water (535016-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1268271 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 100.0 | 10.00 | 100.0 | mg/L | 90% | | 75-125 | 0 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1268272** | **Batch:** | **374561** |
| **Matrix (Source ID):** | **Water (535279-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1268272 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 86.00 | ND | 100.0 | mg/L | 86% | | 75-125 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1268273** | **Batch:** | **374561** |
| **Matrix (Source ID):** | **Water (535279-001)** | **Method:** | **EPA 410.4** | **Prep Method:** | **METHOD** |

| QC1268273 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 88.00 | ND | 100.0 | mg/L | 88% | | 75-125 | 2 | 20 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1266133** | **Batch:** | **373951** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1266133 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0062 | 06/14/25 | 06/15/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 06/14/25 | 06/15/25 |
| Iron | ND | | mg/L | 0.041 | 0.041 | 06/14/25 | 06/15/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 06/14/25 | 06/15/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 06/14/25 | 06/15/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 06/14/25 | 06/15/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 06/14/25 | 06/15/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1266134** | **Batch:** | **373951** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1266134 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.4181 | 0.4000 | mg/L | 105% | | 80-120 |
| Calcium | 19.82 | 20.40 | mg/L | 97% | | 80-120 |
| Iron | 0.4075 | 0.4000 | mg/L | 102% | | 80-120 |
| Magnesium | 20.74 | 20.40 | mg/L | 102% | | 80-120 |
| Manganese | 0.3976 | 0.4000 | mg/L | 99% | | 80-120 |
| Potassium | 23.83 | 24.00 | mg/L | 99% | | 80-120 |
| Sodium | 20.17 | 20.40 | mg/L | 99% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1266135 | Batch: | 373951 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535357-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1266135 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 0.6312 | 0.2266 | 0.4000 | mg/L | 101% | | 75-125 | 1 |
| Calcium | 77.47 | 59.44 | 20.40 | mg/L | 88% | | 75-125 | 1 |
| Iron | 0.4169 | ND | 0.4000 | mg/L | 104% | | 75-125 | 1 |
| Magnesium | 31.60 | 11.21 | 20.40 | mg/L | 100% | | 75-125 | 1 |
| Manganese | 0.4449 | 0.04896 | 0.4000 | mg/L | 99% | | 75-125 | 1 |
| Potassium | 26.71 | 2.532 | 24.00 | mg/L | 101% | | 75-125 | 1 |
| Sodium | 244.6 | 229.7 | 20.40 | mg/L | 73% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1266136 | Batch: | 373951 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535357-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1266136 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 0.6213 | 0.2266 | 0.4000 | mg/L | 99% | | 75-125 | 2 | 20 | 1 |
| Calcium | 77.56 | 59.44 | 20.40 | mg/L | 89% | | 75-125 | 0 | 20 | 1 |
| Iron | 0.4135 | ND | 0.4000 | mg/L | 103% | | 75-125 | 1 | 22 | 1 |
| Magnesium | 31.01 | 11.21 | 20.40 | mg/L | 97% | | 75-125 | 2 | 20 | 1 |
| Manganese | 0.4308 | 0.04896 | 0.4000 | mg/L | 95% | | 75-125 | 3 | 20 | 1 |
| Potassium | 26.02 | 2.532 | 24.00 | mg/L | 98% | | 75-125 | 3 | 20 | 1 |
| Sodium | 247.1 | 229.7 | 20.40 | mg/L | 86% | NM | 75-125 | 1 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1266197 | Batch: | 373951 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535357-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1266197 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 0.2235 | 0.2266 | mg/L | J | | | 5 |
| Calcium | 58.98 | 59.44 | mg/L | | | | 5 |
| Iron | ND | ND | mg/L | | | | 5 |
| Magnesium | 11.12 | 11.21 | mg/L | | | | 5 |
| Manganese | 0.04861 | 0.04896 | mg/L | J | | | 5 |
| Potassium | 2.336 | 2.532 | mg/L | J | | | 5 |
| Sodium | 230.6 | 229.7 | mg/L | | | | 5 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1267036** | **Batch:** | **374211** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1267036 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 54.23 | 50.00 | ug/L | 108% | | 69-128 |
| MTBE | 49.00 | 50.00 | ug/L | 98% | | 66-125 |
| Benzene | 55.18 | 50.00 | ug/L | 110% | | 76-121 |
| Trichloroethene | 53.79 | 50.00 | ug/L | 108% | | 76-124 |
| Toluene | 54.09 | 50.00 | ug/L | 108% | | 76-120 |
| Chlorobenzene | 53.50 | 50.00 | ug/L | 107% | | 78-120 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 50.78 | 50.00 | ug/L | 102% | | 70-130 |
| 1,2-Dichloroethane-d4 | 52.20 | 50.00 | ug/L | 104% | | 70-130 |
| Toluene-d8 | 49.38 | 50.00 | ug/L | 99% | | 70-130 |
| Bromofluorobenzene | 48.33 | 50.00 | ug/L | 97% | | 70-130 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1267037** | **Batch:** | **374211** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1267037 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 51.16 | 50.00 | ug/L | 102% | | 69-128 | 6 | 23 |
| MTBE | 47.89 | 50.00 | ug/L | 96% | | 66-125 | 2 | 22 |
| Benzene | 53.40 | 50.00 | ug/L | 107% | | 76-121 | 3 | 21 |
| Trichloroethene | 51.10 | 50.00 | ug/L | 102% | | 76-124 | 5 | 22 |
| Toluene | 51.92 | 50.00 | ug/L | 104% | | 76-120 | 4 | 21 |
| Chlorobenzene | 51.57 | 50.00 | ug/L | 103% | | 78-120 | 4 | 20 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 49.76 | 50.00 | ug/L | 100% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 49.57 | 50.00 | ug/L | 99% | | 70-130 | | |
| Toluene-d8 | 49.53 | 50.00 | ug/L | 99% | | 70-130 | | |
| Bromofluorobenzene | 47.75 | 50.00 | ug/L | 95% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1267041** | **Batch:** | **374211** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1267041 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 06/18/25 | 06/18/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 06/18/25 | 06/18/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 06/18/25 | 06/18/25 |
| Acetone | ND | | ug/L | 100 | 21 | 06/18/25 | 06/18/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 06/18/25 | 06/18/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 06/18/25 | 06/18/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 06/18/25 | 06/18/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 06/18/25 | 06/18/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 06/18/25 | 06/18/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 06/18/25 | 06/18/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 06/18/25 | 06/18/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 06/18/25 | 06/18/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 06/18/25 | 06/18/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 06/18/25 | 06/18/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 06/18/25 | 06/18/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 06/18/25 | 06/18/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 06/18/25 | 06/18/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |

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# Batch QC

| QC1267041 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 06/18/25 | 06/18/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 06/18/25 | 06/18/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/18/25 | 06/18/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 06/18/25 | 06/18/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 06/18/25 | 06/18/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 06/18/25 | 06/18/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 06/18/25 | 06/18/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 06/18/25 | 06/18/25 |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 06/18/25 | 06/18/25 |
| Toluene-d8 | 103% | | %REC | 70-130 | | 06/18/25 | 06/18/25 |
| Bromofluorobenzene | 103% | | %REC | 70-130 | | 06/18/25 | 06/18/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1267107** | **Batch:** | **374211** |
| **Matrix (Source ID):** | **Water (535261-003)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1267107 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 19.36 | ND | 20.00 | ug/L | 97% | | 62-131 | 1 |
| MTBE | 17.60 | ND | 20.00 | ug/L | 88% | | 61-124 | 1 |
| Benzene | 20.28 | ND | 20.00 | ug/L | 101% | | 70-123 | 1 |
| Trichloroethene | 20.99 | ND | 20.00 | ug/L | 105% | | 65-131 | 1 |
| Toluene | 20.42 | ND | 20.00 | ug/L | 102% | | 69-120 | 1 |
| Chlorobenzene | 19.67 | ND | 20.00 | ug/L | 98% | | 72-121 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 49.89 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 49.03 | | 50.00 | ug/L | 98% | | 70-130 | 1 |
| Toluene-d8 | 50.72 | | 50.00 | ug/L | 101% | | 70-130 | 1 |
| Bromofluorobenzene | 48.50 | | 50.00 | ug/L | 97% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1267108 | Batch: | 374211 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535261-003) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1267108 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 18.85 | ND | 20.00 | ug/L | 94% | | 62-131 | 3 | 31 | 1 |
| MTBE | 17.83 | ND | 20.00 | ug/L | 89% | | 61-124 | 1 | 30 | 1 |
| Benzene | 19.71 | ND | 20.00 | ug/L | 99% | | 70-123 | 3 | 31 | 1 |
| Trichloroethene | 19.38 | ND | 20.00 | ug/L | 97% | | 65-131 | 8 | 31 | 1 |
| Toluene | 19.45 | ND | 20.00 | ug/L | 97% | | 69-120 | 5 | 29 | 1 |
| Chlorobenzene | 19.01 | ND | 20.00 | ug/L | 95% | | 72-121 | 3 | 29 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 50.68 | | 50.00 | ug/L | 101% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 50.95 | | 50.00 | ug/L | 102% | | 70-130 | | | 1 |
| Toluene-d8 | 49.32 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.80 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1265827 | Batch: | 373873 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265827 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 06/13/25 | 06/16/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 06/13/25 | 06/16/25 |

| Type: | Lab Control Sample | Lab ID: | QC1265828 | Batch: | 373873 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265828 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.614 | 10.00 | ug/L | 96% | | 79-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.22 | 10.00 | ug/L | 102% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1265829 | Batch: | 373873 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1265829 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.29 | 10.00 | ug/L | 103% | | 79-120 | 7 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.44 | 10.00 | ug/L | 104% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1266870 | Batch: | 374159 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1266870 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 06/17/25 | 06/17/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1266871 **Batch:** 374159
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266871 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1266872 **Batch:** 374159
**Matrix (Source ID):** Water (535508-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266872 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.7000 | ND | 1.000 | mg/L | 70% | * | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1266873 **Batch:** 374159
**Matrix (Source ID):** Water (535508-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1266873 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.7000 | ND | 1.000 | mg/L | 70% | * | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1266723 **Batch:** 374109
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1266723 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 06/17/25 | 06/17/25 |

**Type:** Lab Control Sample **Lab ID:** QC1266724 **Batch:** 374109
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1266724 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 25.15 | 25.00 | mg/L | 101% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1266725 **Batch:** 374109
**Matrix (Source ID):** Water (535279-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1266725 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.18 | 1.099 | 25.00 | mg/L | 112% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1266726 **Batch:** 374109
**Matrix (Source ID):** Water (535279-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1266726 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 29.98 | 1.099 | 25.00 | mg/L | 116% | | 75-125 | 3 | 25 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1266137 | Batch: 373913 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1266137 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 06/13/25 | 06/13/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 06/13/25 | 06/13/25 |

| Type: Lab Control Sample | Lab ID: QC1266138 | Batch: 373913 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1266138 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,000 | 1000 | mg/L | 100% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1266139 | Batch: 373913 |
|---|---|---|
| Matrix (Source ID): Water (535279-001) | Method: SM2320B | Prep Method: METHOD |

| QC1266139 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 196.5 | 198.0 | mg/L | | 1 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 196.5 | 198.0 | mg/L | | 1 | 20 | 2.5 |

| Type: Blank | Lab ID: QC1266230 | Batch: 373977 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2540C | Prep Method: METHOD |

| QC1266230 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 5.0 | | 06/15/25 | 06/18/25 |

| Type: Lab Control Sample | Lab ID: QC1266231 | Batch: 373977 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2540C | Prep Method: METHOD |

| QC1266231 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 995.5 | 1000 | mg/L | 100% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1266232 | Batch: 373977 |
|---|---|---|
| Matrix (Source ID): Water (535434-001) | Method: SM2540C | Prep Method: METHOD |

| QC1266232 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 646.0 | 644.0 | mg/L | | 0 | 5 | 2 |

| Type: Sample Duplicate | Lab ID: QC1266233 | Batch: 373977 |
|---|---|---|
| Matrix (Source ID): Water (535109-001) | Method: SM2540C | Prep Method: METHOD |

| QC1266233 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 300.0 | 292.0 | mg/L | | 3 | 5 | 2 |

# Batch QC

| | |
|---|---|
| * | Value is outside QC limits |
| E | Response exceeds instrument's linear range |
| J | Estimated value |
| ND | Not Detected |
| NM | Not Meaningful |

**Laboratory Job Number 535357**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2506A31

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-535357

**Project Location:**
**Project Received:** 06/17/2025

Analytical Report reviewed & approved for release on 06/19/2025 by:

Yen Cao

Yen Cao
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2506A31

**Project:** EO-535357

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2506A31

**Project:** EO-535357

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506A31 |
| **Date Received:** | 06/17/2025 9:11 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 06/18/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-535357 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-1 | 2506A31-001A | Water | 06/12/2025 08:28 | GC26 0618250925.D | 319633 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **2800** | 100 | 100 | 2 | 06/18/2025 17:06 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-16 | 2506A31-002A | Water | 06/12/2025 09:31 | GC26 0618250926.D | 319633 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1400** | 50 | 50 | 1 | 06/18/2025 17:35 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| DW-3 | 2506A31-003A | Water | 06/12/2025 10:43 | GC26 0618250928.D | 319633 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **4000** | 200 | 200 | 4 | 06/18/2025 18:00 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506A31 |
| **Date Prepared:** | 06/18/2025 | **BatchID:** | 319633 |
| **Date Analyzed:** | 06/18/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-535357 | **Sample ID:** | MB/LCS/LCSD-319633 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 140 | 187.2 | 72 | 73 | 70-130 | 1.23 | 30 |

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# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2506A31** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-535357

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 2 days;**

*Date Received:* **06/17/2025**
*Date Logged:* **06/17/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2506A31-001 | DW-1 | Water | 6/12/2025 08:28 | ☐ | A | A | | | | | | | | | | |
| 2506A31-002 | DW-16 | Water | 6/12/2025 09:31 | ☐ | A | A | | | | | | | | | | |
| 2506A31-003 | DW-3 | Water | 6/12/2025 10:43 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Lilly Ortiz**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-535357
**Comments**

**Work Order:** 2506A31
**QC Level:** LEVEL 2
**Date Logged:** 6/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | DW-1 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/12/2025 8:28 | 2 days | 6/19/2025 | None | ☐ | ☐ |
| 002A | DW-16 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/12/2025 9:31 | 2 days | 6/19/2025 | None | ☐ | ☐ |
| 003A | DW-3 | Water | RSK175 (CO2) | 3 | VOA, Unpres | ☐ | ☐ | ☐ | 6/12/2025 10:43 | 2 days | 6/19/2025 | None | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2500A31

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

HOLD TIME RUSH

Enthalpy Order: EO-535357
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| DW-1 | 12-JUN-2025 08:28 | 535357-001 | 3 | Water | RSK-175 CO2 | |
| DW-16 | 12-JUN-2025 09:31 | 535357-002 | 3 | Water | RSK-175 CO2 | |
| DW-3 | 12-JUN-2025 10:43 | 535357-003 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | [signature] | [signature] |
| | Date: 6-16-25 14:30 | Date: 6/17/25 0911 |
| | | [signature] 1545 |
| | Date: | Date: |
| | | |
| | Date: | Date: |

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# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-535357

Date and Time Received: 6/17/2025 09:11
Date Logged: 6/17/2025
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

WorkOrder №: 2506A31 Matrix: Water
Carrier: FedEx

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☐ | No ☑ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☐ | No ☐ | NA ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | NA ☑ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 3.2°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☑ | No ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments: Sample 2506A31-001A with method RSK175 (CO2) was received unpreserved. Sample 2506A31-002A with method RSK175 (CO2) was received unpreserved. Sample 2506A31-003A with method RSK175 (CO2) was received unpreserved.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 535882
Report Level : II
Report Date : 06/30/2025

**Analytical Report** *prepared for:*

Adrienne Thibeault
RMC Geoscience
775 Baywood Drive
Suite 305
Petaluma, CA 94954

Location: Chiquita Canyon Sampling / RM22.1077.00\ Ph 13

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Adrienne Thibeault
RMC Geoscience
775 Baywood Drive
Suite 305
Petaluma, CA
94954

Lab Job #: 535882
Location: Chiquita Canyon Sampling / RM22.1077.00\ Ph 13
Date Received: 06/19/25

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| FP-01 | 535882-001 | 06/19/25 10:32 | Water |
| QCFB | 535882-002 | 06/19/25 00:00 | Water |
| QCTB | 535882-003 | 06/19/25 00:00 | Water |
| EQUIPMENT BLANK | 535882-004 | 06/19/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| RMC Geoscience<br>775 Baywood Drive<br>Suite 305<br>Petaluma, CA 94954<br>Adrienne Thibeault | Lab Job Number: 535882<br>Location: Chiquita Canyon Sampling / RM22.1077.00\ Ph 13<br>Date Received: 06/19/25 |

This data package contains sample and QC results for four water samples, requested for the above referenced project on 06/19/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- High recovery was observed for trichloroethene in the BSD for batch 374571; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples.
- FP-01 (lab # 535882-001) had pH greater than 2.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 6010B):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Low recoveries were observed for bromide and nitrogen, nitrate in the MS/MSD for batch 374376; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits.
- Responses exceeding the instrument's linear range were observed for sulfate in the MS/MSD for batch 374376; affected data was qualified with "E".
- No other analytical problems were encountered.

**Chemical Oxygen Demand by EPA 410.4 (EPA 410.4):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (EPA 410.4):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

ENTHALPY

Login 535882

Phone 714-771-6900

**Chain of Custody Record**

Lab No: 535882

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |

**Matrix:** A = Air S = Soil/Solid W = Water
DW = Drinking Wate SD = Sediment PP = Pure
Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:**
1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$
4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** 12/ 12 13 (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Geo-Logic Associates | Quote #: | |
| Report To: | Adrienne Thibeault | Project Name: | **Chiquita Canyon Sampling** |
| Email: | athibeault@geo-logic.com | Project #: | RM22.1077.00\ Ph 13 |
| Address: | 2777 E Guasti Rd UNIT 1 | P.O. #: | |
| | Ontario, CA 91761 | Address: | |
| Phone: | (909) 677-1093 | Global ID: | L0003464243 |
| Fax: | | Sampled By: | J. Rekstad |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | 1,4-Dioxane (EPA 8270C-SIM) | Bicarbonate (as CaCO3), Total Alkalinity (as CaCO3) | Ammonia -N (EPA 350.1) | Carbon Dioxide (free & total) (Sm 4500-CO2 D) | Chemical Oxygen Demand (EPA 410.4) | Bromide, Chloride, Fluoride, Nitrate-N, Sulfate (EPA 300.0) | Sulfide (SM 4500-S2-D), TOC (SM 5310B) | TDS (SM 2540C) | 8260 VOCs (Appx I & Appx II) + DCDFM | Total Metals - Ca, B, Fe, Mg, Mn, Na, K (EPA 6010B) | Test Instructions / Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FP-01 | 6.19.25 | 1032 | Water | 15 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 2 | QCFB | 6.19.25 | — | Water | 3 | | | | | | | | | | ✓ | | |
| 3 | QCTB | 6.19.25 | — | Water | 2 | | | | | | | | | | ✓ | | |
| 4 | Equipment Blank | 6.19.25 | — | | 3 | | | | | | | | | | ✓ | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | Jesse Rekstad | Jesse Rekstad | Geo-Logic Associates | 6.19.25 1415 |
| [1] Received By: | | Gwen Kim | EA | 6/19/25 1415 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**
Date Received: 6/19/25 WO# 535882 Client: Geo-Logic Associates

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☑ No
Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
☐ Courier ☑ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 6/19/25 By (initials) GCK Type of ice used: ☐ Wet ☐ Blue/Gel ☐ None
☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0
Cooler Temp (°C) #1: 1.2 / 1.2 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**
(If no comments are made, then no discrepancies noted.)

☑ **No additional discrepancies**

**Date Logged** 6/19/25 **By (print)** MSK **(sign)** [signature]
**Date Labeled** 6/19/25 **By (print)** MSK **(sign)** [signature]

ENTHALPY ANALYTICAL

# Analysis Results for 535882

Adrienne Thibeault
RMC Geoscience
775 Baywood Drive
Suite 305
Petaluma, CA 94954

Lab Job #: 535882
Location: Chiquita Canyon Sampling / RM22.1077.00
Ph 13
Date Received: 06/19/25

**Sample ID: FP-01** **Lab ID: 535882-001** **Collected: 06/19/25 10:32**
**Matrix: Water**

| 535882-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.30** | | mg/L | 0.20 | 0.073 | 1 | 374376 | 06/19/25 15:45 | 06/19/25 20:29 | SSN |
| Chloride | **100** | | mg/L | 1.0 | 0.27 | 1 | 374376 | 06/19/25 15:45 | 06/19/25 20:29 | SSN |
| Bromide | **0.54** | | mg/L | 0.30 | 0.060 | 1 | 374376 | 06/19/25 15:45 | 06/19/25 20:29 | SSN |
| Nitrogen, Nitrate | **0.10** | | mg/L | 0.10 | 0.05 | 1 | 374376 | 06/19/25 15:45 | 06/19/25 20:29 | SSN |
| Sulfate | **380** | | mg/L | 10 | 1.8 | 10 | 374376 | 06/19/25 15:45 | 06/19/25 20:46 | SSN |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 1 | 374836 | 06/25/25 | 06/25/25 | JAK |
| Method: EPA 410.4<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **180** | | mg/L | 4.0 | 2.0 | 1 | 374492 | 06/20/25 | 06/20/25 | TDD |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **0.46** | | mg/L | 0.050 | 0.0062 | 1 | 374590 | 06/23/25 | 06/23/25 | CAP |
| Calcium | **490** | | mg/L | 1.0 | 0.57 | 1 | 374590 | 06/23/25 | 06/23/25 | CAP |
| Iron | **130** | | mg/L | 10 | 4.1 | 100 | 374590 | 06/23/25 | 06/23/25 | CAP |
| Magnesium | **80** | | mg/L | 0.10 | 0.025 | 1 | 374590 | 06/23/25 | 06/23/25 | CAP |
| Manganese | **4.0** | | mg/L | 0.010 | 0.0029 | 1 | 374590 | 06/23/25 | 06/23/25 | CAP |
| Potassium | **18** | | mg/L | 0.50 | 0.42 | 1 | 374590 | 06/23/25 | 06/23/25 | CAP |
| Sodium | **140** | | mg/L | 0.50 | 0.34 | 1 | 374590 | 06/23/25 | 06/23/25 | CAP |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.7 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Iodomethane | ND | | ug/L | 7.6 | 7.6 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methyl methacrylate | ND | | ug/L | 5.0 | 1.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 4.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535882

| 535882-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535882

| 535882-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 93% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloroethane-d4 | 95% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Toluene-d8 | 103% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromofluorobenzene | 103% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | **6.2** | | ug/L | 1.0 | 0.95 | 1 | 374458 | 06/20/25 | 06/22/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 374458 | 06/20/25 | 06/22/25 | TJW |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 374644 | 06/23/25 | 06/23/25 | LVL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **9.4** | | mg/L | 1.0 | 0.68 | 1 | 374503 | 06/20/25 | 06/21/25 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Alkalinity, Bicarbonate, as CaCO3 | **380** | | mg/L | 10 | | 5 | 374557 | 06/21/25 | 06/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **380** | | mg/L | 10 | | 5 | 374557 | 06/21/25 | 06/21/25 | WWC |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,100** | | mg/L | 20 | | 2 | 374629 | 06/23/25 | 06/24/25 | RDL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535882

| Sample ID: QCFB | Lab ID: 535882-002 | Collected: 06/19/25 |
|---|---|---|
| | Matrix: Water | |

| 535882-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.7 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Iodomethane | ND | | ug/L | 7.6 | 7.6 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methyl methacrylate | ND | | ug/L | 5.0 | 1.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 4.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methylene Chloride | **3.9** | J | ug/L | 5.0 | 2.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroform | **0.7** | J | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535882

| 535882-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 94% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloroethane-d4 | 94% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Toluene-d8 | 103% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535882

| Sample ID: QCTB | Lab ID: 535882-003 | Collected: 06/19/25 |
|---|---|---|
| | Matrix: Water | |

| 535882-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.7 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Iodomethane | ND | | ug/L | 7.6 | 7.6 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methyl methacrylate | ND | | ug/L | 5.0 | 1.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 4.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535882

| 535882-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 95% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloroethane-d4 | 94% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Toluene-d8 | 103% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535882

| Sample ID: EQUIPMENT BLANK | Lab ID: 535882-004 | Collected: 06/19/25 |
|---|---|---|
| | Matrix: Water | |

| 535882-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.7 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Iodomethane | ND | | ug/L | 7.6 | 7.6 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methyl methacrylate | ND | | ug/L | 5.0 | 1.5 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 4.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Methylene Chloride | **3.4** | J | ug/L | 5.0 | 2.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chloroform | **0.6** | J | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 535882

| 535882-004 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 95% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| 1,2-Dichloroethane-d4 | 95% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 374571 | 06/22/25 | 06/22/25 | ZST |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1267582 | Batch: 374376 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1267582 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 06/19/25 15:45 | 06/19/25 15:59 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 06/19/25 15:45 | 06/19/25 15:59 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 06/19/25 15:45 | 06/19/25 15:59 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 06/19/25 15:45 | 06/19/25 15:59 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 06/19/25 15:45 | 06/19/25 15:59 |

| Type: Lab Control Sample | Lab ID: QC1267583 | Batch: 374376 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1267583 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 10.20 | 10.00 | mg/L | 102% | | 90-110 |
| Chloride | 49.03 | 50.00 | mg/L | 98% | | 90-110 |
| Bromide | 15.48 | 15.00 | mg/L | 103% | | 90-110 |
| Nitrogen, Nitrate | 4.722 | 4.518 | mg/L | 105% | | 90-110 |
| Sulfate | 25.21 | 25.00 | mg/L | 101% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1267589 | Batch: 374376 |
|---|---|---|
| Matrix (Source ID): Water (535736-001) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1267589 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.42 | 0.5045 | 20.00 | mg/L | 105% | | 80-129 | 1 |
| Chloride | 467.9 | 428.9 | 100.0 | mg/L | 39% | E,NM | 80-123 | 1 |
| Bromide | 15.20 | 1.170 | 15.00 | mg/L | 94% | | 80-121 | 1 |
| Nitrogen, Nitrate | 12.99 | 4.732 | 9.036 | mg/L | 91% | | 80-123 | 1 |
| Sulfate | 504.5 | 671.6 | 50.00 | mg/L | -334% | E,NM | 79-124 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1267590 | Batch: 374376 |
|---|---|---|
| Matrix (Source ID): Water (535736-001) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1267590 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.22 | 0.5045 | 20.00 | mg/L | 104% | | 80-129 | 1 | 21 | 1 |
| Chloride | 466.3 | 428.9 | 100.0 | mg/L | 37% | E,NM | 80-123 | | 20 | 1 |
| Bromide | 15.28 | 1.170 | 15.00 | mg/L | 94% | | 80-121 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 12.94 | 4.732 | 9.036 | mg/L | 91% | | 80-123 | 0 | 20 | 1 |
| Sulfate | 503.3 | 671.6 | 50.00 | mg/L | -337% | E,NM | 79-124 | | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1267591 | Batch: | 374376 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535762-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1267591 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.82 | ND | 20.00 | mg/L | 104% | | 80-129 | 1 |
| Chloride | 180.4 | 82.27 | 100.0 | mg/L | 98% | | 80-123 | 1 |
| Bromide | 6.532 | 0.6462 | 15.00 | mg/L | 39% | * | 80-121 | 1 |
| Nitrogen, Nitrate | 8.306 | ND | 9.036 | mg/L | 92% | | 80-123 | 1 |
| Sulfate | 108.8 | 61.47 | 50.00 | mg/L | 95% | E | 79-124 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1267592 | Batch: | 374376 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535762-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1267592 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.84 | ND | 20.00 | mg/L | 104% | | 80-129 | 0 | 21 | 1 |
| Chloride | 180.0 | 82.27 | 100.0 | mg/L | 98% | | 80-123 | 0 | 20 | 1 |
| Bromide | 5.851 | 0.6462 | 15.00 | mg/L | 35% | * | 80-121 | 11 | 20 | 1 |
| Nitrogen, Nitrate | 7.179 | ND | 9.036 | mg/L | 79% | * | 80-123 | 15 | 20 | 1 |
| Sulfate | 108.4 | 61.47 | 50.00 | mg/L | 94% | E | 79-124 | | 20 | 1 |

| Type: | Blank | Lab ID: | QC1269210 | Batch: | 374836 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1269210 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 06/25/25 | 06/25/25 |

| Type: | Lab Control Sample | Lab ID: | QC1269211 | Batch: | 374836 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1269211 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.027 | 1.000 | mg/L | 103% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1269212 | Batch: | 374836 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (536167-003) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1269212 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.102 | 0.05684 | 1.000 | mg/L | 105% | | 90-110 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1269213 | Batch: | 374836 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (536167-003) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1269213 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.096 | 0.05684 | 1.000 | mg/L | 104% | | 90-110 | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1268002 | Batch: | 374492 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268002 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 06/20/25 | 06/20/25 |

| Type: | Lab Control Sample | Lab ID: | QC1268003 | Batch: | 374492 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268003 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 979.0 | 1000 | mg/L | 98% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1268004 | Batch: | 374492 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535882-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268004 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,144 | 175.0 | 1000 | mg/L | 97% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1268005 | Batch: | 374492 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535882-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268005 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,136 | 175.0 | 1000 | mg/L | 96% | | 75-125 | 1 | 20 | 2 |

| Type: | Matrix Spike | Lab ID: | QC1268006 | Batch: | 374492 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535170-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268006 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,226 | 269.0 | 1000 | mg/L | 96% | | 75-125 | 2 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1268007 | Batch: | 374492 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535170-001) | Method: | EPA 410.4 | Prep Method: | METHOD |

| QC1268007 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,242 | 269.0 | 1000 | mg/L | 97% | | 75-125 | 1 | 20 | 2 |

| Type: | Blank | Lab ID: | QC1268380 | Batch: | 374590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1268380 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | mg/L | 0.050 | 0.0062 | 06/23/25 | 06/23/25 |
| Calcium | ND | | mg/L | 0.57 | 0.57 | 06/23/25 | 06/23/25 |
| Iron | ND | | mg/L | 0.041 | 0.041 | 06/23/25 | 06/23/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 06/23/25 | 06/23/25 |
| Manganese | ND | | mg/L | 0.010 | 0.0029 | 06/23/25 | 06/23/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 06/23/25 | 06/23/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 06/23/25 | 06/23/25 |

| Type: | Lab Control Sample | Lab ID: | QC1268381 | Batch: | 374590 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1268381 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 0.3717 | 0.4000 | mg/L | 93% | | 80-120 |
| Calcium | 19.92 | 20.40 | mg/L | 98% | | 80-120 |
| Iron | 0.4057 | 0.4000 | mg/L | 101% | | 80-120 |
| Magnesium | 20.69 | 20.40 | mg/L | 101% | | 80-120 |
| Manganese | 0.3874 | 0.4000 | mg/L | 97% | | 80-120 |
| Potassium | 22.97 | 24.00 | mg/L | 96% | | 80-120 |
| Sodium | 19.70 | 20.40 | mg/L | 97% | | 80-120 |

| Type: | Matrix Spike | Lab ID: | QC1268382 | Batch: | 374590 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (536000-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1268382 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 89.16 | 86.63 | 4.000 | mg/L | 63% | NM | 75-125 | 10 |
| Calcium | 6,675 | 6606 | 204.0 | mg/L | 34% | NM | 75-125 | 10 |
| Iron | 875.4 | 888.6 | 4.000 | mg/L | -330% | E,NM | 75-125 | 10 |
| Magnesium | 1,057 | 876.7 | 204.0 | mg/L | 89% | NM | 75-125 | 10 |
| Manganese | 42.80 | 39.87 | 4.000 | mg/L | 73% | NM | 75-125 | 10 |
| Potassium | 1,905 | 1695 | 240.0 | mg/L | 88% | NM | 75-125 | 10 |
| Sodium | 5,260 | 5156 | 204.0 | mg/L | 51% | NM | 75-125 | 10 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1268383 | Batch: | 374590 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (536000-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1268383 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 88.77 | 86.63 | 4.000 | mg/L | 53% | NM | 75-125 | 0 | 20 | 10 |
| Calcium | 6,693 | 6606 | 204.0 | mg/L | 42% | NM | 75-125 | 0 | 20 | 10 |
| Iron | 872.4 | 888.6 | 4.000 | mg/L | -404% | E,NM | 75-125 | | 22 | 10 |
| Magnesium | 1,059 | 876.7 | 204.0 | mg/L | 89% | NM | 75-125 | 0 | 20 | 10 |
| Manganese | 42.63 | 39.87 | 4.000 | mg/L | 69% | NM | 75-125 | 0 | 20 | 10 |
| Potassium | 1,910 | 1695 | 240.0 | mg/L | 90% | NM | 75-125 | 0 | 20 | 10 |
| Sodium | 5,258 | 5156 | 204.0 | mg/L | 50% | NM | 75-125 | 0 | 20 | 10 |

| Type: | Serial Dilution | Lab ID: | QC1268436 | Batch: | 374590 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (536000-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1268436 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Boron | 85.04 | 86.63 | mg/L | | | | 50 |
| Calcium | 6,846 | 6606 | mg/L | | | | 50 |
| Iron | 927.7 | 888.6 | mg/L | | | | 50 |
| Magnesium | 901.7 | 876.7 | mg/L | | | | 50 |
| Manganese | 40.02 | 39.87 | mg/L | | | | 50 |
| Potassium | 1,628 | 1695 | mg/L | | | | 50 |
| Sodium | 5,170 | 5156 | mg/L | | | | 50 |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1268296 | **Batch:** 374571 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1268296 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.4 | 06/22/25 | 06/22/25 |
| Chloroprene | ND | | ug/L | 200 | 0.3 | 06/22/25 | 06/22/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 06/22/25 | 06/22/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.5 | 06/22/25 | 06/22/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.7 | 06/22/25 | 06/22/25 |
| Iodomethane | ND | | ug/L | 7.6 | 7.6 | 06/22/25 | 06/22/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.3 | 06/22/25 | 06/22/25 |
| Methyl methacrylate | ND | | ug/L | 5.0 | 1.5 | 06/22/25 | 06/22/25 |
| Vinyl Acetate | ND | | ug/L | 50 | 4.3 | 06/22/25 | 06/22/25 |
| Acrolein | ND | | ug/L | 200 | 2.2 | 06/22/25 | 06/22/25 |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 06/22/25 | 06/22/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 06/22/25 | 06/22/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 06/22/25 | 06/22/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 06/22/25 | 06/22/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 06/22/25 | 06/22/25 |
| Acetone | ND | | ug/L | 100 | 21 | 06/22/25 | 06/22/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 06/22/25 | 06/22/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 06/22/25 | 06/22/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 06/22/25 | 06/22/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 06/22/25 | 06/22/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 06/22/25 | 06/22/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 06/22/25 | 06/22/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 06/22/25 | 06/22/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 06/22/25 | 06/22/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 06/22/25 | 06/22/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 06/22/25 | 06/22/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 06/22/25 | 06/22/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 06/22/25 | 06/22/25 |

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## Batch QC

| QC1268296 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 06/22/25 | 06/22/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 06/22/25 | 06/22/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 06/22/25 | 06/22/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 06/22/25 | 06/22/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 06/22/25 | 06/22/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 06/22/25 | 06/22/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 06/22/25 | 06/22/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 06/22/25 | 06/22/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 06/22/25 | 06/22/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 06/22/25 | 06/22/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 06/22/25 | 06/22/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 06/22/25 | 06/22/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 06/22/25 | 06/22/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 93% | | %REC | 70-130 | | 06/22/25 | 06/22/25 |
| 1,2-Dichloroethane-d4 | 94% | | %REC | 70-130 | | 06/22/25 | 06/22/25 |
| Toluene-d8 | 103% | | %REC | 70-130 | | 06/22/25 | 06/22/25 |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 06/22/25 | 06/22/25 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1268297 | Batch: 374571 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1268297 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.11 | 50.00 | ug/L | 100% | | 69-128 |
| MTBE | 43.00 | 50.00 | ug/L | 86% | | 66-125 |
| Benzene | 54.42 | 50.00 | ug/L | 109% | | 76-121 |
| Trichloroethene | 52.49 | 50.00 | ug/L | 105% | | 76-124 |
| Toluene | 53.33 | 50.00 | ug/L | 107% | | 76-120 |
| Chlorobenzene | 51.07 | 50.00 | ug/L | 102% | | 78-120 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 45.25 | 50.00 | ug/L | 91% | | 70-130 |
| 1,2-Dichloroethane-d4 | 46.71 | 50.00 | ug/L | 93% | | 70-130 |
| Toluene-d8 | 50.16 | 50.00 | ug/L | 100% | | 70-130 |
| Bromofluorobenzene | 48.77 | 50.00 | ug/L | 98% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1268298 | Batch: 374571 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1268298 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 40.88 | 50.00 | ug/L | 82% | | 69-128 | 20 | 23 |
| MTBE | 35.30 | 50.00 | ug/L | 71% | | 66-125 | 20 | 22 |
| Benzene | 55.05 | 50.00 | ug/L | 110% | | 76-121 | 1 | 21 |
| Trichloroethene | 65.25 | 50.00 | ug/L | 130% | * | 76-124 | 22 | 22 |
| Toluene | 53.96 | 50.00 | ug/L | 108% | | 76-120 | 1 | 21 |
| Chlorobenzene | 51.76 | 50.00 | ug/L | 104% | | 78-120 | 1 | 20 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 36.89 | 50.00 | ug/L | 74% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 42.10 | 50.00 | ug/L | 84% | | 70-130 | | |
| Toluene-d8 | 49.85 | 50.00 | ug/L | 100% | | 70-130 | | |
| Bromofluorobenzene | 48.40 | 50.00 | ug/L | 97% | | 70-130 | | |

| Type: Matrix Spike | Lab ID: QC1268318 | Batch: 374571 |
|---|---|---|
| Matrix (Source ID): Water (535998-003) | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1268318 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 905.1 | ND | 1000 | ug/L | 91% | | 62-131 | 50 |
| MTBE | 836.1 | ND | 1000 | ug/L | 84% | | 61-124 | 50 |
| Benzene | 1,062 | 27.06 | 1000 | ug/L | 103% | | 70-123 | 50 |
| Trichloroethene | 1,050 | ND | 1000 | ug/L | 105% | | 65-131 | 50 |
| Toluene | 1,056 | 17.92 | 1000 | ug/L | 104% | | 69-120 | 50 |
| Chlorobenzene | 990.8 | ND | 1000 | ug/L | 99% | | 72-121 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,270 | | 2500 | ug/L | 91% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,353 | | 2500 | ug/L | 94% | | 70-130 | 50 |
| Toluene-d8 | 2,528 | | 2500 | ug/L | 101% | | 70-130 | 50 |
| Bromofluorobenzene | 2,435 | | 2500 | ug/L | 97% | | 70-130 | 50 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1268319 | Batch: | 374571 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (535998-003) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1268319 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 809.2 | ND | 1000 | ug/L | 81% | | 62-131 | 11 | 31 | 50 |
| MTBE | 796.9 | ND | 1000 | ug/L | 80% | | 61-124 | 5 | 30 | 50 |
| Benzene | 965.0 | 27.06 | 1000 | ug/L | 94% | | 70-123 | 10 | 31 | 50 |
| Trichloroethene | 970.7 | ND | 1000 | ug/L | 97% | | 65-131 | 8 | 31 | 50 |
| Toluene | 953.4 | 17.92 | 1000 | ug/L | 94% | | 69-120 | 10 | 29 | 50 |
| Chlorobenzene | 902.6 | ND | 1000 | ug/L | 90% | | 72-121 | 9 | 29 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,229 | | 2500 | ug/L | 89% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,389 | | 2500 | ug/L | 96% | | 70-130 | | | 50 |
| Toluene-d8 | 2,543 | | 2500 | ug/L | 102% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,462 | | 2500 | ug/L | 98% | | 70-130 | | | 50 |

| Type: | Blank | Lab ID: | QC1267854 | Batch: | 374458 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1267854 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 06/20/25 | 06/22/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 06/20/25 | 06/22/25 |

| Type: | Lab Control Sample | Lab ID: | QC1267855 | Batch: | 374458 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1267855 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.04 | 10.00 | ug/L | 100% | | 79-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.12 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1267856 | Batch: | 374458 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1267856 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 10.68 | 10.00 | ug/L | 107% | | 79-120 | 6 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.27 | 10.00 | ug/L | 103% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1268576 | Batch: | 374644 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1268576 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 06/23/25 | 06/23/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1268577 **Batch:** 374644
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1268577 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1268578 **Batch:** 374644
**Matrix (Source ID):** Water (535721-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1268578 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.8000 | ND | 1.000 | mg/L | 80% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1268579 **Batch:** 374644
**Matrix (Source ID):** Water (535721-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1268579 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.8000 | ND | 1.000 | mg/L | 80% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1268031 **Batch:** 374503
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1268031 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 06/20/25 | 06/20/25 |

**Type:** Lab Control Sample **Lab ID:** QC1268032 **Batch:** 374503
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1268032 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 25.06 | 25.00 | mg/L | 100% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1268033 **Batch:** 374503
**Matrix (Source ID):** Water (535874-007) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1268033 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 25.27 | 2.683 | 25.00 | mg/L | 90% | | 75-125 | 2 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1268034 **Batch:** 374503
**Matrix (Source ID):** Water (535874-007) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1268034 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 25.71 | 2.683 | 25.00 | mg/L | 92% | | 75-125 | 2 | 25 | 2 |

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# Batch QC

| Type: Blank | Lab ID: QC1268246 | Batch: 374557 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1268246 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | ND | | mg/L | 2.0 | | 06/21/25 | 06/21/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 06/21/25 | 06/21/25 |

| Type: Lab Control Sample | Lab ID: QC1268247 | Batch: 374557 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1268247 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 972.4 | 1000 | mg/L | 97% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1269205 | Batch: 374557 |
|---|---|---|
| Matrix (Source ID): Water (535882-001) | Method: SM2320B | Prep Method: METHOD |

| QC1269205 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate, as CaCO3 | 391.5 | 382.8 | mg/L | | 2 | 20 | 5 |
| Alkalinity, Total as CaCO3 | 391.5 | 382.8 | mg/L | | 2 | 20 | 5 |

| Type: Blank | Lab ID: QC1268524 | Batch: 374629 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1268524 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 10 | | 06/23/25 | 06/24/25 |

| Type: Lab Control Sample | Lab ID: QC1268525 | Batch: 374629 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1268525 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 984.0 | 1000 | mg/L | 98% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1268526 | Batch: 374629 |
|---|---|---|
| Matrix (Source ID): Water (535986-001) | Method: SM2540C | Prep Method: METHOD |

| QC1268526 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,878 | 1850 | mg/L | | 2 | 5 | 2 |

| Type: Sample Duplicate | Lab ID: QC1268527 | Batch: 374629 |
|---|---|---|
| Matrix (Source ID): Water (535845-006) | Method: SM2540C | Prep Method: METHOD |

| QC1268527 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 478.0 | 468.0 | mg/L | | 2 | 5 | 2 |

# Batch QC

| | |
|---|---|
| * | Value is outside QC limits |
| E | Response exceeds instrument's linear range |
| ND | Not Detected |
| NM | Not Meaningful |

**Laboratory Job Number 535882**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

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# Analytical Report

**WorkOrder:** 2506E84

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-535882

**Project Location:**
**Project Received:** 06/24/2025

Analytical Report reviewed & approved for release on 06/26/2025 by:

Tracy Babjar
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2506E84

**Project:** EO-535882

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2506E84

**Project:** EO-535882

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| b1 | Aqueous sample that contains greater than ~1 vol. % sediment |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506E84 |
| **Date Received:** | 06/24/2025 10:26 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 06/25/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-535882 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| FP-01 | 2506E84-001A | Water | 06/19/2025 10:32 | GC26 0625250205.D | 320203 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **33,000** | 2000 | 2000 | 40 | 06/25/2025 15:41 |

Analyst(s): CLO

Analytical Comments: b1

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2506E84 |
| **Date Prepared:** | 06/25/2025 | **BatchID:** | 320203 |
| **Date Analyzed:** | 06/25/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-535882 | **Sample ID:** | MB/LCS/LCSD-320203 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 130 | 187.2 | 76 | 71 | 70-130 | 6.44 | 30 |

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# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2506E84** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-535882

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 2 days;**

*Date Received:* **06/24/2025**
*Date Logged:* **06/24/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2506E84-001 | FP-01 | Water | 6/19/2025 10:32 | ☐ | A | A | A | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PR3PTCOMP | 2 | PRDisposal Fee | 3 | RSK175_CO2_W | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Lilly Ortiz**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-535882
**Comments**

**Work Order:** 2506E84
**QC Level:** LEVEL 2
**Date Logged:** 6/24/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | FP-01 | Water | RSK175 (CO2) | **3 / (3:1)** | VOA, Unpres | ☐ | ☐ | ☐ | 6/19/2025 10:32 | 2 days | 6/26/2025 | 1%+ | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2506E84

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

RUSH!

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243667
PO #: PO-079649

Enthalpy Order: EO-535882
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: RUSH TAT (short hold time)
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill. Please ship Monday for Tuesday delivery.

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| FP-01 | 19-JUN-2025 10:32 | 535882-001 | 3 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | | |
| | Date: | Date: 6/20/25 1026 |
| | | 4.1 w2 1041 |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1 of 1

Updated COC per email 6/24/25

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# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-535882

Date and Time Received: 6/24/2025 10:26
Date Logged: 6/24/2025
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

WorkOrder №: 2506E84 Matrix: Water
Carrier: Golden State Overnight

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☐ | No | ☑ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 4.1°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments: Sample 2506E84-001A with method RSK175 ($CO_2$) was received unpreserved.

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 524158
Report Level : II
Report Date : 01/31/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: CHIQUITA CANYON LF - Chiquita Canyon Landfill

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 524158<br>CHIQUITA CANYON LF<br>Chiquita Canyon Landfill<br>01/16/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| JS-1 | 524158-001 | 01/16/25 12:26 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 524158<br>Project No: CHIQUITA CANYON LF<br>Location: Chiquita Canyon Landfill<br>Date Received: 01/16/25 |

This data package contains sample and QC results for one water sample, requested for the above referenced project on 01/17/25. The sample was received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- High recovery was observed for MTBE in the BSD for batch 360834; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated sample.
- Naphthalene was detected between the MDL and the RL in the method blank for batch 360834; this analyte was not detected in the sample at or above the RL.
- No other analytical problems were encountered.

**Metals (EPA 6010B and EPA 7470A):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**pH of Aqueous Samples (SM 4500-H+ B):**
No analytical problems were encountered.

# ENTHALPY ANALYTICAL

**Chain of Custody Record**

Lab No: 524158

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | |
| Fax: | | Sampled By: | Paul Chang |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | pH, Nitrate-N | Total Metals; As, Cd, Cu, Pb, Hg, Ni, Se Ag, Zn | | | | | | | | | Test Instructions / Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | JS-1 | 1/16/25 | 1226 | W | 5 | var. | x | x | x | | | | | | | | | Site Water<br>cc report to:<br>pchang@changenvironmental.com |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | 1-9/2-1 1R-12 |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| 1 Relinquished By: | | Paul Chang | CEI | 1.16.25 1415 |
| 1 Received By: | | Jim Lin | EA-NH | 1.16.25 1415 |
| 2 Relinquished By: | | Jim Lin | EA-NH | 1.17.25 0830 |
| 2 Received By: | | Hrag B. | EA-NH | 1/17/25 0830 |
| 3 Relinquished By: | | Hrag B. | EA-NH | 1/17/25 1248 |
| 3 Received By: | | D. Sanchez | EA | 1/17/25 1420 |

D. Sanchez EA 1/17/25 1525 Amber Smallwo 1/17/25 1525

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 1·16·25 WO# _____ Client: Chiquita Canyon LF.

**Section 2: Shipping / Custody**

Are custody seals present? ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Client Drop Off at LA Service Center

**Section 3a: Condition / Packaging**

☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)

Date Opened 1·16·25 By (initials) JWL Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR03 CF: -0.2

Cooler Temp (°C) #1: 14.3 / 14.1 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples**

☒ No microbiology samples submitted (skip 3b)

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples**

☒ No air samples submitted (skip 3c)

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| Section 4: Containers / Labels / Samples | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments**

☐ PM notified

**Date Logged** _____ **By (print)** _____ **(sign)** _____

**Date Labeled** _____ **By (print)** _____ **(sign)** _____

## SAMPLE RECEIPT CHECKLIST

ENTHALPY

**Section 1: General Info**

Date Received: 1/17/25 WO# 524158 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

Shipping Info: Walk in NH

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/17/25 By (initials) DNS Type of ice used : ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: IR12 CF: +0.2

Cooler Temp (°C) #1: 1.0 / 1.2 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | X | | |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** 1/16/25 **By (print)** G. Kroa **(sign)** _____

**Date Labeled** 1/17/25 **By (print)** Danny **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 524158

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 524158
Project No: CHIQUITA CANYON LF
Location: Chiquita Canyon Landfill
Date Received: 01/16/25

**Sample ID: JS-1** **Lab ID: 524158-001** **Collected: 01/16/25 12:26**
**Matrix: Water**

| 524158-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Nitrogen, Nitrate | **0.66** | | mg/L | 0.10 | 0.06 | 1 | 360626 | 01/17/25 15:30 | 01/18/25 01:12 | AJL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Arsenic | ND | | mg/L | 0.010 | 0.0062 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Cadmium | ND | | mg/L | 0.0050 | 0.00037 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Copper | ND | | mg/L | 0.010 | 0.0060 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Lead | ND | | mg/L | 0.010 | 0.0062 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Nickel | ND | | mg/L | 0.010 | 0.0028 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Selenium | ND | | mg/L | 0.030 | 0.0082 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Silver | ND | | mg/L | 0.0050 | 0.0013 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Zinc | ND | | mg/L | 0.050 | 0.013 | 1 | 360716 | 01/19/25 | 01/20/25 | SBW |
| Method: EPA 7470A<br>Prep Method: EPA 7470A | | | | | | | | | | |
| Mercury | ND | | ug/L | 0.40 | 0.17 | 1 | 360844 | 01/21/25 | 01/21/25 | KCD |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524158

| 524158-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Bromodichloromethane | **0.1** | J | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Dibromochloromethane | **0.3** | J | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Bromoform | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 112% | | %REC | 70-130 | | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| 1,2-Dichloroethane-d4 | 89% | | %REC | 70-130 | | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Toluene-d8 | 89% | | %REC | 70-130 | | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 360834 | 01/21/25 | 01/21/25 | ZST |
| Method: SM 4500-H+ B | | | | | | | | | | |
| pH | **7.90** | H | SU | | | 1 | 361426 | 01/27/25 22:22 | 01/27/25 22:22 | CDR |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 524158

| 524158-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | **18.60** | H | deg C | 1.00 | | 1 | 361426 | 01/27/25 22:22 | 01/27/25 22:22 | CDR |

H Holding time was exceeded
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1220920** | **Batch:** | **360626** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220920 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.06 | 01/17/25 15:30 | 01/17/25 16:51 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1220921** | **Batch:** | **360626** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220921 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Nitrogen, Nitrate | 4.426 | 4.518 | mg/L | 98% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1220922** | **Batch:** | **360626** |
| **Matrix (Source ID):** | **Drinking Water (524186-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220922 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrate | 8.759 | 0.08402 | 9.036 | mg/L | 96% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1220923** | **Batch:** | **360626** |
| **Matrix (Source ID):** | **Drinking Water (524186-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220923 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrate | 8.684 | 0.08402 | 9.036 | mg/L | 95% | | 80-120 | 1 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1220924** | **Batch:** | **360626** |
| **Matrix (Source ID):** | **Drinking Water (524187-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220924 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrate | 9.311 | 0.07941 | 9.036 | mg/L | 102% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1220925** | **Batch:** | **360626** |
| **Matrix (Source ID):** | **Drinking Water (524187-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1220925 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrate | 8.690 | 0.07941 | 9.036 | mg/L | 95% | | 80-120 | 7 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1221213 | Batch: 360716 |
|---|---|---|
| Matrix: Water | Method: EPA 6010B | Prep Method: EPA 3015A |

| QC1221213 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | mg/L | 0.010 | 0.0062 | 01/19/25 | 01/20/25 |
| Cadmium | ND | | mg/L | 0.0050 | 0.00037 | 01/19/25 | 01/20/25 |
| Copper | ND | | mg/L | 0.010 | 0.0060 | 01/19/25 | 01/20/25 |
| Lead | ND | | mg/L | 0.010 | 0.0062 | 01/19/25 | 01/20/25 |
| Nickel | ND | | mg/L | 0.010 | 0.0028 | 01/19/25 | 01/20/25 |
| Selenium | ND | | mg/L | 0.030 | 0.0082 | 01/19/25 | 01/20/25 |
| Silver | ND | | mg/L | 0.0050 | 0.0013 | 01/19/25 | 01/20/25 |
| Zinc | ND | | mg/L | 0.050 | 0.013 | 01/19/25 | 01/20/25 |

| Type: Lab Control Sample | Lab ID: QC1221214 | Batch: 360716 |
|---|---|---|
| Matrix: Water | Method: EPA 6010B | Prep Method: EPA 3015A |

| QC1221214 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Arsenic | 0.3455 | 0.4000 | mg/L | 86% | | 80-120 |
| Cadmium | 0.3556 | 0.4000 | mg/L | 89% | | 80-120 |
| Copper | 0.3534 | 0.4000 | mg/L | 88% | | 80-120 |
| Lead | 0.3639 | 0.4000 | mg/L | 91% | | 80-120 |
| Nickel | 0.3580 | 0.4000 | mg/L | 90% | | 80-120 |
| Selenium | 0.3345 | 0.4000 | mg/L | 84% | | 80-120 |
| Silver | 0.1711 | 0.2000 | mg/L | 86% | | 80-120 |
| Zinc | 0.3525 | 0.4000 | mg/L | 88% | | 80-120 |

| Type: Matrix Spike | Lab ID: QC1221215 | Batch: 360716 |
|---|---|---|
| Matrix (Source ID): Water (524157-001) | Method: EPA 6010B | Prep Method: EPA 3015A |

| QC1221215 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.3549 | ND | 0.4000 | mg/L | 89% | | 75-125 | 1 |
| Cadmium | 0.3477 | ND | 0.4000 | mg/L | 87% | | 75-125 | 1 |
| Copper | 0.3671 | ND | 0.4000 | mg/L | 92% | | 75-125 | 1 |
| Lead | 0.3532 | ND | 0.4000 | mg/L | 88% | | 75-125 | 1 |
| Nickel | 0.3550 | ND | 0.4000 | mg/L | 89% | | 75-125 | 1 |
| Selenium | 0.3379 | 0.01015 | 0.4000 | mg/L | 82% | | 75-125 | 1 |
| Silver | 0.1716 | ND | 0.2000 | mg/L | 86% | | 75-125 | 1 |
| Zinc | 0.3579 | ND | 0.4000 | mg/L | 89% | | 75-125 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1221216 | Batch: | 360716 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524157-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1221216 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.3548 | ND | 0.4000 | mg/L | 89% | | 75-125 | 0 | 20 | 1 |
| Cadmium | 0.3471 | ND | 0.4000 | mg/L | 87% | | 75-125 | 0 | 20 | 1 |
| Copper | 0.3676 | ND | 0.4000 | mg/L | 92% | | 75-125 | 0 | 20 | 1 |
| Lead | 0.3537 | ND | 0.4000 | mg/L | 88% | | 75-125 | 0 | 20 | 1 |
| Nickel | 0.3553 | ND | 0.4000 | mg/L | 89% | | 75-125 | 0 | 20 | 1 |
| Selenium | 0.3403 | 0.01015 | 0.4000 | mg/L | 83% | | 75-125 | 1 | 20 | 1 |
| Silver | 0.1724 | ND | 0.2000 | mg/L | 86% | | 75-125 | 0 | 20 | 1 |
| Zinc | 0.3548 | ND | 0.4000 | mg/L | 89% | | 75-125 | 1 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1221349 | Batch: | 360716 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524157-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1221349 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | ND | mg/L | | | | 5 |
| Cadmium | ND | ND | mg/L | | | | 5 |
| Copper | ND | ND | mg/L | | | | 5 |
| Lead | ND | ND | mg/L | | | | 5 |
| Nickel | ND | ND | mg/L | | | | 5 |
| Selenium | ND | 0.01015 | mg/L | | | | 5 |
| Silver | ND | ND | mg/L | | | | 5 |
| Zinc | ND | ND | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1221694 | Batch: | 360844 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 7470A | Prep Method: | EPA 7470A |

| QC1221694 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.17 | 01/21/25 | 01/21/25 |

| Type: | Lab Control Sample | Lab ID: | QC1221695 | Batch: | 360844 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 7470A | Prep Method: | EPA 7470A |

| QC1221695 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 5.006 | 5.000 | ug/L | 100% | | 80-120 |

| Type: | Matrix Spike | Lab ID: | QC1221696 | Batch: | 360844 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524079-001) | Method: | EPA 7470A | Prep Method: | EPA 7470A |

| QC1221696 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 4.978 | ND | 5.000 | ug/L | 100% | | 75-125 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1221697 | Batch: | 360844 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524079-001) | Method: | EPA 7470A | Prep Method: | EPA 7470A |

| QC1221697 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.876 | ND | 5.000 | ug/L | 98% | | 75-125 | 2 | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1221655 | Batch: | 360834 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1221655 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 51.66 | 50.00 | ug/L | 103% | | 70-135 |
| MTBE | 59.68 | 50.00 | ug/L | 119% | | 70-130 |
| Benzene | 56.30 | 50.00 | ug/L | 113% | | 70-130 |
| Trichloroethene | 57.42 | 50.00 | ug/L | 115% | | 70-130 |
| Toluene | 48.40 | 50.00 | ug/L | 97% | | 70-130 |
| Chlorobenzene | 49.80 | 50.00 | ug/L | 100% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.29 | 50.00 | ug/L | 103% | | 70-130 |
| 1,2-Dichloroethane-d4 | 42.48 | 50.00 | ug/L | 85% | | 70-130 |
| Toluene-d8 | 45.88 | 50.00 | ug/L | 92% | | 70-130 |
| Bromofluorobenzene | 51.26 | 50.00 | ug/L | 103% | | 70-130 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1221656 | Batch: | 360834 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1221656 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 58.48 | 50.00 | ug/L | 117% | | 70-135 | 12 | 30 |
| MTBE | 66.01 | 50.00 | ug/L | 132% | * | 70-130 | 10 | 30 |
| Benzene | 62.83 | 50.00 | ug/L | 126% | | 70-130 | 11 | 30 |
| Trichloroethene | 63.81 | 50.00 | ug/L | 128% | | 70-130 | 11 | 30 |
| Toluene | 53.53 | 50.00 | ug/L | 107% | | 70-130 | 10 | 30 |
| Chlorobenzene | 54.57 | 50.00 | ug/L | 109% | | 70-130 | 9 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.27 | 50.00 | ug/L | 105% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 42.28 | 50.00 | ug/L | 85% | | 70-130 | | |
| Toluene-d8 | 44.89 | 50.00 | ug/L | 90% | | 70-130 | | |
| Bromofluorobenzene | 52.69 | 50.00 | ug/L | 105% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1221657** | **Batch:** | **360834** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1221657 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 01/21/25 | 01/21/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 01/21/25 | 01/21/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 01/21/25 | 01/21/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Acetone | ND | | ug/L | 100 | 16 | 01/21/25 | 01/21/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 01/21/25 | 01/21/25 |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 01/21/25 | 01/21/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 01/21/25 | 01/21/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 01/21/25 | 01/21/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 01/21/25 | 01/21/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 01/21/25 | 01/21/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 01/21/25 | 01/21/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 01/21/25 | 01/21/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 01/21/25 | 01/21/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 01/21/25 | 01/21/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 01/21/25 | 01/21/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1221657 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 01/21/25 | 01/21/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 01/21/25 | 01/21/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 01/21/25 | 01/21/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| Naphthalene | 0.1 | J | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 01/21/25 | 01/21/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 01/21/25 | 01/21/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 01/21/25 | 01/21/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 01/21/25 | 01/21/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 115% | | %REC | 70-130 | | 01/21/25 | 01/21/25 |
| 1,2-Dichloroethane-d4 | 87% | | %REC | 70-130 | | 01/21/25 | 01/21/25 |
| Toluene-d8 | 89% | | %REC | 70-130 | | 01/21/25 | 01/21/25 |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 01/21/25 | 01/21/25 |

**Type:** Matrix Spike **Lab ID:** QC1221730 **Batch:** 360834
**Matrix (Source ID):** Water (524274-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1221730 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 2,112 | ND | 2500 | ug/L | 84% | | 70-130 | 50 |
| MTBE | 2,647 | ND | 2500 | ug/L | 106% | | 75-130 | 50 |
| Benzene | 2,365 | ND | 2500 | ug/L | 95% | | 70-130 | 50 |
| Trichloroethene | 2,368 | ND | 2500 | ug/L | 95% | | 63-130 | 50 |
| Toluene | 1,991 | ND | 2500 | ug/L | 80% | | 70-130 | 50 |
| Chlorobenzene | 2,119 | ND | 2500 | ug/L | 85% | | 70-130 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,597 | | 2500 | ug/L | 104% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,138 | | 2500 | ug/L | 86% | | 70-130 | 50 |
| Toluene-d8 | 2,262 | | 2500 | ug/L | 90% | | 70-130 | 50 |
| Bromofluorobenzene | 2,593 | | 2500 | ug/L | 104% | | 70-130 | 50 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1221731 | Batch: | 360834 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524274-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1221731 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 2,215 | ND | 2500 | ug/L | 89% | | 70-130 | 5 | 30 | 50 |
| MTBE | 2,757 | ND | 2500 | ug/L | 110% | | 75-130 | 4 | 30 | 50 |
| Benzene | 2,480 | ND | 2500 | ug/L | 99% | | 70-130 | 5 | 30 | 50 |
| Trichloroethene | 2,492 | ND | 2500 | ug/L | 100% | | 63-130 | 5 | 30 | 50 |
| Toluene | 2,096 | ND | 2500 | ug/L | 84% | | 70-130 | 5 | 30 | 50 |
| Chlorobenzene | 2,197 | ND | 2500 | ug/L | 88% | | 70-130 | 4 | 30 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,623 | | 2500 | ug/L | 105% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,128 | | 2500 | ug/L | 85% | | 70-130 | | | 50 |
| Toluene-d8 | 2,247 | | 2500 | ug/L | 90% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,601 | | 2500 | ug/L | 104% | | 70-130 | | | 50 |

| Type: | Sample Duplicate | Lab ID: | QC1223657 | Batch: | 361426 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (524084-003) | Method: | SM 4500-H+ B | | |

| QC1223657 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| pH | 7.350 | 7.360 | SU | | 0 | 20 | 1 |
| Temperature | 18.80 | 18.80 | deg C | | 0 | 20 | 1 |

* Value is outside QC limits
J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531893
Report Level : II
Report Date : 05/13/2025

**Analytical Report** *prepared for:*

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: CHIQUITA CANYON LF - Chiquita Canyon Landfill - Site Water

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Steve Cassulo<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 531893<br>CHIQUITA CANYON LF<br>Chiquita Canyon Landfill - Site Water<br>04/28/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| JS-1 | 531893-001 | 04/28/25 12:52 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Steve Cassulo | Lab Job Number: 531893<br>Project No: CHIQUITA CANYON LF<br>Location: Chiquita Canyon Landfill - Site Water<br>Date Received: 04/28/25 |

This data package contains sample and QC results for one water sample, requested for the above referenced project on 04/29/25. The sample was received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- High RPD was observed for benzene in the BS/BSD for batch 370550; this analyte was not detected at or above the RL in the associated sample.
- Toluene and 1,2,4-trimethylbenzene were detected between the MDL and the RL in the method blank for batch 370550; these analytes were not detected in the sample at or above the RL.
- No other analytical problems were encountered.

**Metals (EPA 6010B and EPA 7470A):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**pH of Aqueous Samples (SM 4500-H+ B):**
No analytical problems were encountered.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 531893

Page: 1 of 1

**Turn Around Time (rush by advanced notice only)**

| Standard: | X | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical**

931 W Barkely Ave, Orange, CA 92868

(714) 771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | Chiquita Canyon Landfill | Name: | Steve Cassulo |
| Report To: | Steve Cassulo | Number: | 661-257-3655 |
| Email: | Steven.Cassulo@wasteconnections.com | P.O. #: | |
| Address: | 29201 Henry Mayo Drive | Address: | |
| | Castaic, CA, 91384 | | |
| Phone: | 661-257-3655 | Global ID: | |
| Fax: | | Sampled By: | Paul Chang |

**Test Instructions / Comments**

1 RTT 2.5 2.5

**Site Water**

cc report to: pchang@changenvironmental.com

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | VOCs (EPA 8260B) | pH, Nitrate-N | Total Metals; As, Cd, Cu, Pb, Hg, Ni, Se | Ag, Zn |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | JS-1 | 4/28/25 | 1252 | W | 6 | var. | x | x | x | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |

Login 531893

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Paul Chang | CEI | 4/28/25 1405 |
| [1] Received By: | | Hrag B. | EA-NH | 4/28/25 1405 |
| [2] Relinquished By: | | Hrag B. | EA-NH | 4/29/25 1045 |
| [2] Received By: | | Nicole Mendoza | EA | 4/29/25 1100 |
| [3] Relinquished By: | | Nicole Mendoza | EA | 4/29/25 1130 |
| [3] Received By: | | Nicole Mendoza | EA | 4/29/25 11:30 |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 4/29/25 WO# 531893 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☒ Courier ☐ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 4/29/25 By (initials) RRS Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: +0.0

Cooler Temp (°C) #1: 2.5 / 2.5 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 4/28/25 **By (print)** ABD **(sign)** ABD

**Date Labeled** 4/29/25 **By (print)** AGR **(sign)** Angela Rabuta

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# Analysis Results for 531893

Steve Cassulo
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531893
Project No: CHIQUITA CANYON LF
Location: Chiquita Canyon Landfill - Site Water
Date Received: 04/28/25

**Sample ID: JS-1** **Lab ID: 531893-001** **Collected: 04/28/25 12:52**
**Matrix: Water**

| 531893-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Nitrogen, Nitrate | **1.6** | | mg/L | 0.10 | 0.05 | 1 | 370000 | 04/29/25 13:30 | 04/29/25 20:42 | AJL |
| Method: EPA 6010B<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Arsenic | ND | | mg/L | 0.010 | 0.0045 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Cadmium | ND | | mg/L | 0.0050 | 0.00096 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Copper | ND | | mg/L | 0.010 | 0.0059 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Lead | ND | | mg/L | 0.010 | 0.0028 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Nickel | **0.0072** | J | mg/L | 0.010 | 0.0033 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Selenium | ND | | mg/L | 0.030 | 0.0098 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Silver | ND | | mg/L | 0.0050 | 0.0015 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Zinc | ND | | mg/L | 0.050 | 0.013 | 1 | 370016 | 04/29/25 | 04/29/25 | CAP |
| Method: EPA 7470A<br>Prep Method: EPA 7470A | | | | | | | | | | |
| Mercury | ND | | ug/L | 0.40 | 0.17 | 1 | 370079 | 04/30/25 | 04/30/25 | MLL |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |


Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531893

| 531893-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 119% | | %REC | 70-130 | | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 370550 | 05/06/25 | 05/06/25 | ZST |
| Method: SM 4500-H+ B | | | | | | | | | | |
| pH | **7.71** | H | SU | | | 1 | 370363 | 05/02/25 19:00 | 05/02/25 19:00 | CDR |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531893

| 531893-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | **21.90** | H | deg C | 1.00 | | 1 | 370363 | 05/02/25 19:00 | 05/02/25 19:00 | CDR |

H Holding time was exceeded
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1252823 | **Batch:** 370000 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1252823 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 04/29/25 13:30 | 04/29/25 14:32 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1252824 | **Batch:** 370000 |
| **Matrix:** Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1252824 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Nitrogen, Nitrate | 4.580 | 4.518 | mg/L | 101% | | 90-110 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1252826 | **Batch:** 370000 |
| **Matrix (Source ID):** Water (531895-002) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1252826 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrate | 12.43 | 3.483 | 9.036 | mg/L | 99% | | 80-120 | 1 |

| | | |
|---|---|---|
| **Type:** Matrix Spike Duplicate | **Lab ID:** QC1252827 | **Batch:** 370000 |
| **Matrix (Source ID):** Water (531895-002) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1252827 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrate | 12.37 | 3.483 | 9.036 | mg/L | 98% | | 80-120 | 1 | 20 | 1 |

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1252874 | **Batch:** 370016 |
| **Matrix:** Water | **Method:** EPA 6010B | **Prep Method:** EPA 3015A |

| QC1252874 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | mg/L | 0.010 | 0.0045 | 04/29/25 | 04/29/25 |
| Cadmium | ND | | mg/L | 0.0050 | 0.00096 | 04/29/25 | 04/29/25 |
| Copper | ND | | mg/L | 0.010 | 0.0059 | 04/29/25 | 04/29/25 |
| Lead | ND | | mg/L | 0.010 | 0.0028 | 04/29/25 | 04/29/25 |
| Nickel | ND | | mg/L | 0.010 | 0.0033 | 04/29/25 | 04/29/25 |
| Selenium | ND | | mg/L | 0.030 | 0.0098 | 04/29/25 | 04/29/25 |
| Silver | ND | | mg/L | 0.0050 | 0.0015 | 04/29/25 | 04/29/25 |
| Zinc | ND | | mg/L | 0.050 | 0.013 | 04/29/25 | 04/29/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1252875** | **Batch:** | **370016** |
| **Matrix:** | **Water** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1252875 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Arsenic | 0.3621 | 0.4000 | mg/L | 91% | | 80-120 |
| Cadmium | 0.3637 | 0.4000 | mg/L | 91% | | 80-120 |
| Copper | 0.3372 | 0.4000 | mg/L | 84% | | 80-120 |
| Lead | 0.3644 | 0.4000 | mg/L | 91% | | 80-120 |
| Nickel | 0.3627 | 0.4000 | mg/L | 91% | | 80-120 |
| Selenium | 0.3557 | 0.4000 | mg/L | 89% | | 80-120 |
| Silver | 0.1749 | 0.2000 | mg/L | 87% | | 80-120 |
| Zinc | 0.3550 | 0.4000 | mg/L | 89% | | 80-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1252876** | **Batch:** | **370016** |
| **Matrix (Source ID):** | **Water (531889-001)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1252876 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.3779 | ND | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Cadmium | 0.3629 | ND | 0.4000 | mg/L | 91% | | 75-125 | 1 |
| Copper | 0.3759 | ND | 0.4000 | mg/L | 94% | | 75-125 | 1 |
| Lead | 0.3680 | ND | 0.4000 | mg/L | 92% | | 75-125 | 1 |
| Nickel | 0.3641 | 0.008223 | 0.4000 | mg/L | 89% | | 75-125 | 1 |
| Selenium | 0.3684 | ND | 0.4000 | mg/L | 92% | | 75-125 | 1 |
| Silver | 0.1862 | ND | 0.2000 | mg/L | 93% | | 75-125 | 1 |
| Zinc | 0.3555 | ND | 0.4000 | mg/L | 89% | | 75-125 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1252877** | **Batch:** | **370016** |
| **Matrix (Source ID):** | **Water (531889-001)** | **Method:** | **EPA 6010B** | **Prep Method:** | **EPA 3015A** |

| QC1252877 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 0.3642 | ND | 0.4000 | mg/L | 91% | | 75-125 | 4 | 20 | 1 |
| Cadmium | 0.3495 | ND | 0.4000 | mg/L | 87% | | 75-125 | 4 | 20 | 1 |
| Copper | 0.3632 | ND | 0.4000 | mg/L | 91% | | 75-125 | 3 | 20 | 1 |
| Lead | 0.3549 | ND | 0.4000 | mg/L | 89% | | 75-125 | 4 | 20 | 1 |
| Nickel | 0.3539 | 0.008223 | 0.4000 | mg/L | 86% | | 75-125 | 3 | 20 | 1 |
| Selenium | 0.3556 | ND | 0.4000 | mg/L | 89% | | 75-125 | 4 | 20 | 1 |
| Silver | 0.1805 | ND | 0.2000 | mg/L | 90% | | 75-125 | 3 | 20 | 1 |
| Zinc | 0.3433 | ND | 0.4000 | mg/L | 86% | | 75-125 | 3 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Serial Dilution | Lab ID: | QC1252883 | Batch: | 370016 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531889-001) | Method: | EPA 6010B | Prep Method: | EPA 3015A |

| QC1252883 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | ND | mg/L | | | | 5 |
| Cadmium | ND | ND | mg/L | | | | 5 |
| Copper | ND | ND | mg/L | | | | 5 |
| Lead | ND | ND | mg/L | | | | 5 |
| Nickel | 0.01836 | 0.008223 | mg/L | J | | | 5 |
| Selenium | ND | ND | mg/L | | | | 5 |
| Silver | ND | ND | mg/L | | | | 5 |
| Zinc | ND | ND | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1253088 | Batch: | 370079 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 7470A | Prep Method: | EPA 7470A |

| QC1253088 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.17 | 04/30/25 | 04/30/25 |

| Type: | Lab Control Sample | Lab ID: | QC1253089 | Batch: | 370079 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 7470A | Prep Method: | EPA 7470A |

| QC1253089 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 4.976 | 5.000 | ug/L | 100% | | 80-120 |

| Type: | Matrix Spike | Lab ID: | QC1253090 | Batch: | 370079 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532017-003) | Method: | EPA 7470A | Prep Method: | EPA 7470A |

| QC1253090 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 965.3 | ND | 1000 | ug/L | 97% | | 75-125 | 200 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1253091 | Batch: | 370079 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532017-003) | Method: | EPA 7470A | Prep Method: | EPA 7470A |

| QC1253091 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 989.1 | ND | 1000 | ug/L | 99% | | 75-125 | 2 | 20 | 200 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1254751** | **Batch:** | **370550** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1254751 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 47.01 | 50.00 | ug/L | 94% | | 70-135 |
| MTBE | 43.38 | 50.00 | ug/L | 87% | | 70-130 |
| Benzene | 62.24 | 50.00 | ug/L | 124% | | 70-130 |
| Trichloroethene | 47.03 | 50.00 | ug/L | 94% | | 70-130 |
| Toluene | 47.14 | 50.00 | ug/L | 94% | | 70-130 |
| Chlorobenzene | 45.97 | 50.00 | ug/L | 92% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 56.83 | 50.00 | ug/L | 114% | | 70-130 |
| 1,2-Dichloroethane-d4 | 48.95 | 50.00 | ug/L | 98% | | 70-130 |
| Toluene-d8 | 50.58 | 50.00 | ug/L | 101% | | 70-130 |
| Bromofluorobenzene | 49.90 | 50.00 | ug/L | 100% | | 70-130 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1254752** | **Batch:** | **370550** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1254752 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 44.21 | 50.00 | ug/L | 88% | | 70-135 | 6 | 30 |
| MTBE | 42.99 | 50.00 | ug/L | 86% | | 70-130 | 1 | 30 |
| Benzene | 44.99 | 50.00 | ug/L | 90% | | 70-130 | 32* | 30 |
| Trichloroethene | 45.22 | 50.00 | ug/L | 90% | | 70-130 | 4 | 30 |
| Toluene | 44.95 | 50.00 | ug/L | 90% | | 70-130 | 5 | 30 |
| Chlorobenzene | 43.94 | 50.00 | ug/L | 88% | | 70-130 | 5 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 60.21 | 50.00 | ug/L | 120% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 48.81 | 50.00 | ug/L | 98% | | 70-130 | | |
| Toluene-d8 | 50.53 | 50.00 | ug/L | 101% | | 70-130 | | |
| Bromofluorobenzene | 49.88 | 50.00 | ug/L | 100% | | 70-130 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1254756 | **Batch:** 370550 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1254756 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 05/06/25 | 05/06/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 05/06/25 | 05/06/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 05/06/25 | 05/06/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 05/06/25 | 05/06/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 05/06/25 | 05/06/25 |
| Acetone | ND | | ug/L | 100 | 21 | 05/06/25 | 05/06/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 05/06/25 | 05/06/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 2.4 | 05/06/25 | 05/06/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 05/06/25 | 05/06/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 05/06/25 | 05/06/25 |
| 2-Butanone | ND | | ug/L | 100 | 1.7 | 05/06/25 | 05/06/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 05/06/25 | 05/06/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 05/06/25 | 05/06/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.0 | 05/06/25 | 05/06/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 05/06/25 | 05/06/25 |
| Toluene | 0.1 | J | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 05/06/25 | 05/06/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 05/06/25 | 05/06/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 05/06/25 | 05/06/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 05/06/25 | 05/06/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1254756 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| 1,2,4-Trimethylbenzene | 0.2 | J | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 05/06/25 | 05/06/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 05/06/25 | 05/06/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/06/25 | 05/06/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 05/06/25 | 05/06/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 05/06/25 | 05/06/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 05/06/25 | 05/06/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 05/06/25 | 05/06/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 05/06/25 | 05/06/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 05/06/25 | 05/06/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 05/06/25 | 05/06/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 05/06/25 | 05/06/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 05/06/25 | 05/06/25 |
| 1,2-Dichloroethane-d4 | 119% | | %REC | 70-130 | | 05/06/25 | 05/06/25 |
| Toluene-d8 | 102% | | %REC | 70-130 | | 05/06/25 | 05/06/25 |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 05/06/25 | 05/06/25 |

**Type:** Matrix Spike **Lab ID:** QC1254792 **Batch:** 370550
**Matrix (Source ID):** Water (532382-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1254792 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 937.1 | ND | 1000 | ug/L | 94% | | 70-130 | 50 |
| MTBE | 860.4 | ND | 1000 | ug/L | 86% | | 75-130 | 50 |
| Benzene | 952.1 | 23.59 | 1000 | ug/L | 93% | | 70-130 | 50 |
| Trichloroethene | 964.4 | ND | 1000 | ug/L | 96% | | 63-130 | 50 |
| Toluene | 937.0 | ND | 1000 | ug/L | 94% | | 70-130 | 50 |
| Chlorobenzene | 903.2 | ND | 1000 | ug/L | 90% | | 70-130 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,615 | | 2500 | ug/L | 105% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,384 | | 2500 | ug/L | 95% | | 70-130 | 50 |
| Toluene-d8 | 2,520 | | 2500 | ug/L | 101% | | 70-130 | 50 |
| Bromofluorobenzene | 2,519 | | 2500 | ug/L | 101% | | 70-130 | 50 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1254793 | Batch: | 370550 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532382-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1254793 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 974.2 | ND | 1000 | ug/L | 97% | | 70-130 | 4 | 30 | 50 |
| MTBE | 897.1 | ND | 1000 | ug/L | 90% | | 75-130 | 4 | 30 | 50 |
| Benzene | 982.2 | 23.59 | 1000 | ug/L | 96% | | 70-130 | 3 | 30 | 50 |
| Trichloroethene | 993.6 | ND | 1000 | ug/L | 99% | | 63-130 | 3 | 30 | 50 |
| Toluene | 968.2 | ND | 1000 | ug/L | 97% | | 70-130 | 3 | 30 | 50 |
| Chlorobenzene | 938.3 | ND | 1000 | ug/L | 94% | | 70-130 | 4 | 30 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,775 | | 2500 | ug/L | 111% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,457 | | 2500 | ug/L | 98% | | 70-130 | | | 50 |
| Toluene-d8 | 2,513 | | 2500 | ug/L | 101% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,520 | | 2500 | ug/L | 101% | | 70-130 | | | 50 |

| Type: | Sample Duplicate | Lab ID: | QC1254107 | Batch: | 370363 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532211-002) | Method: | SM 4500-H+ B | | |

| QC1254107 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| pH | 5.940 | 5.920 | SU | | 0 | 20 | 1 |
| Temperature | 21.40 | 21.60 | deg C | | 1 | 20 | 1 |

* Value is outside QC limits
J Estimated value
ND Not Detected

# APPENDIX E

# EMP/CAP TIME-SERIES PLOTS

**Figure E-1**
**VOCs Detected**
**Well DW-16**
**Time Series Plot**

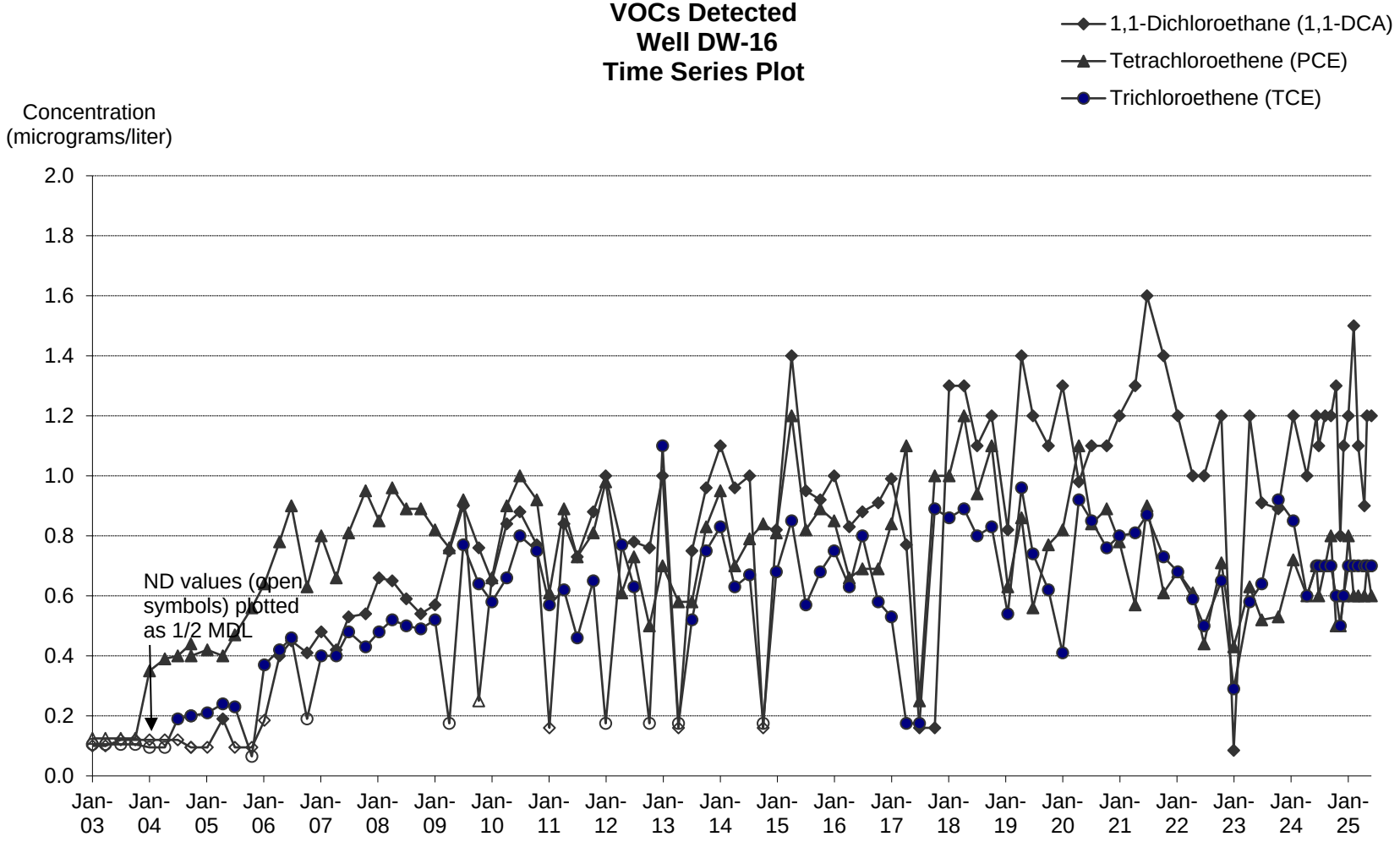


**Figure E-2**
**1,1-Dichloroethane (1,1-DCA)**
**Well DW-16**
**Time Series Plot**

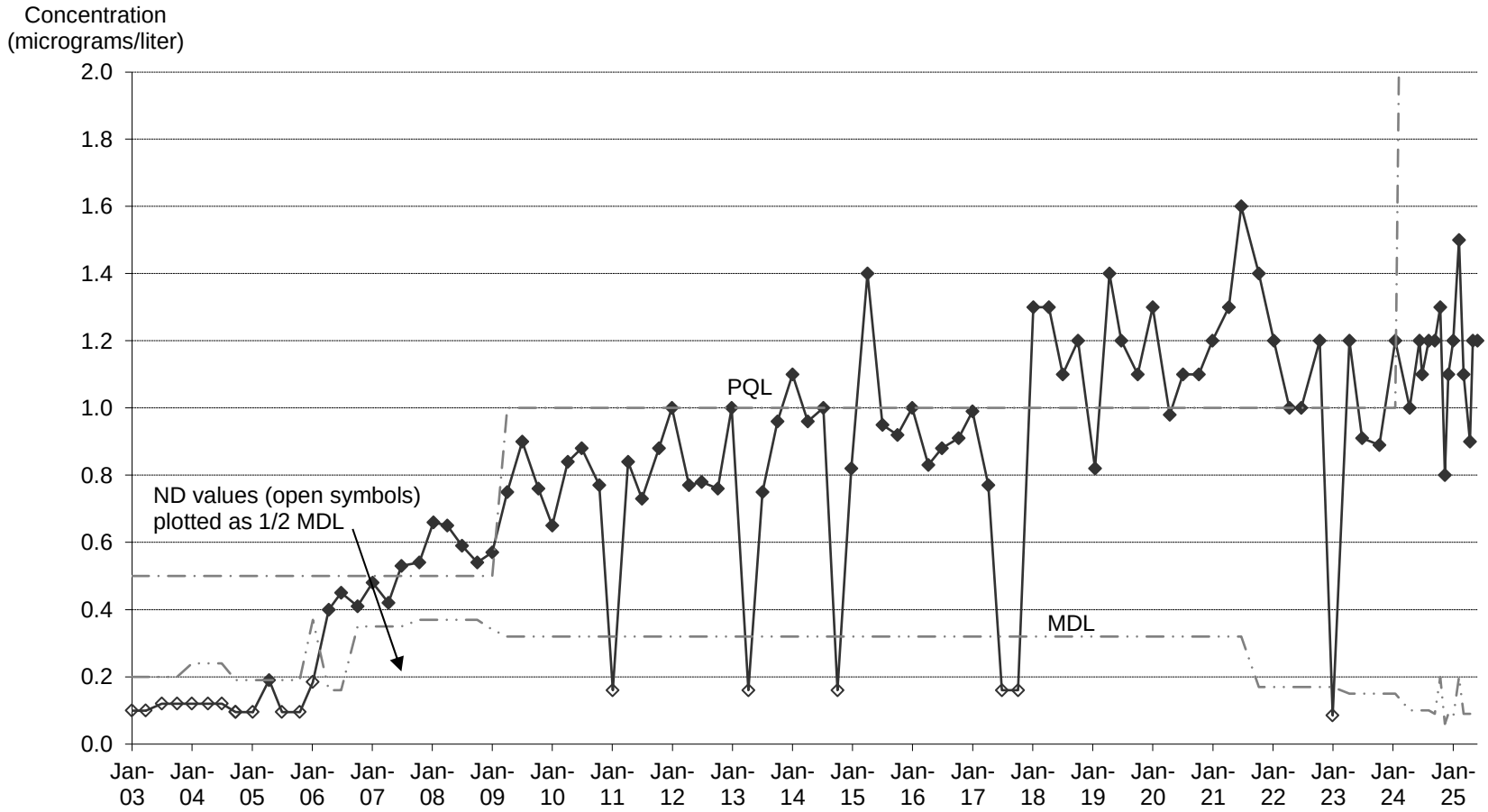


**Figure E-3**
**Tetrachloroethene (PCE)**
**Well DW-16**
**Time Series Plot**

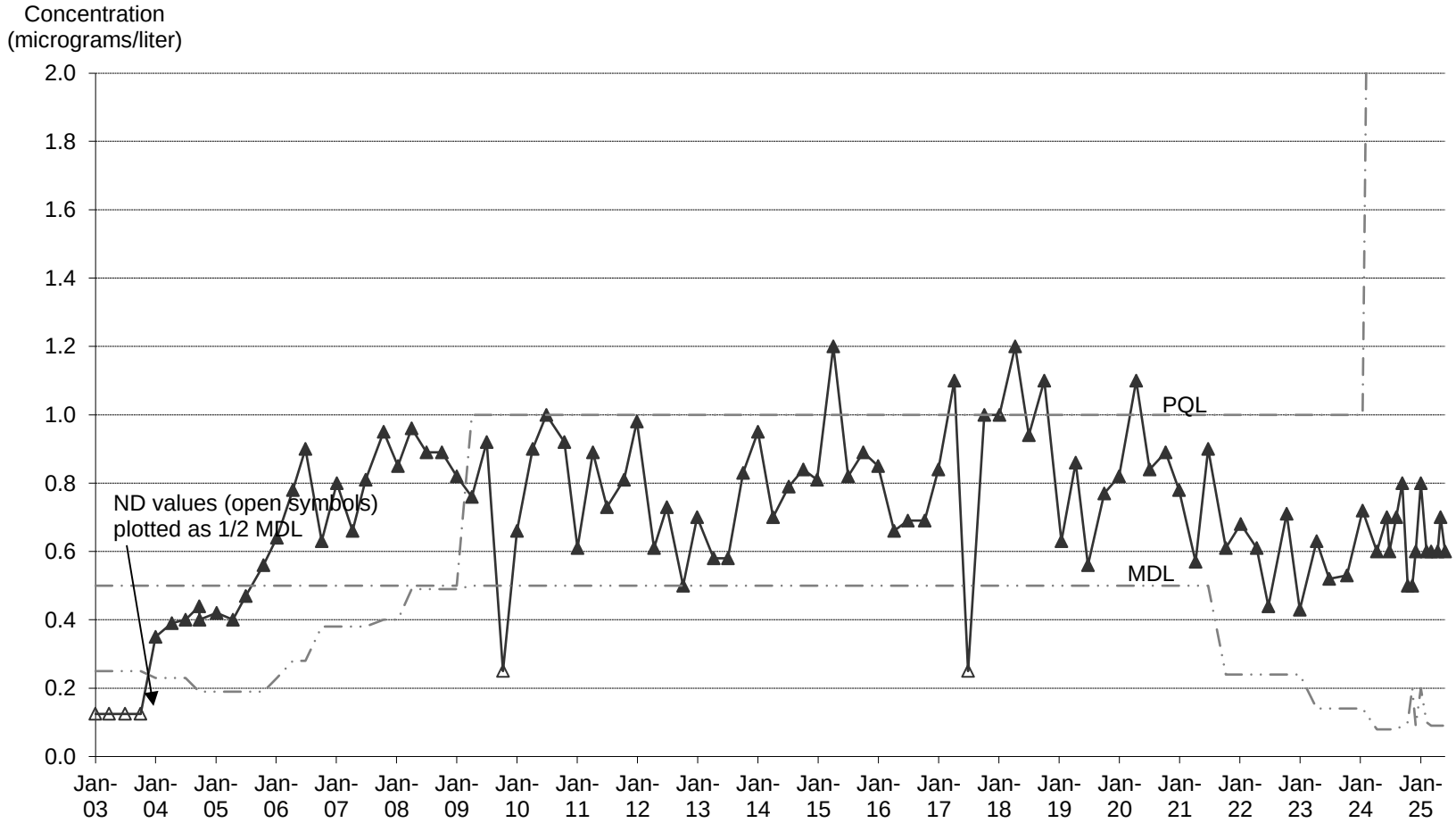


**Figure E-4**
**Trichloroethene (TCE)**
**Well DW-16**
**Time Series Plot**

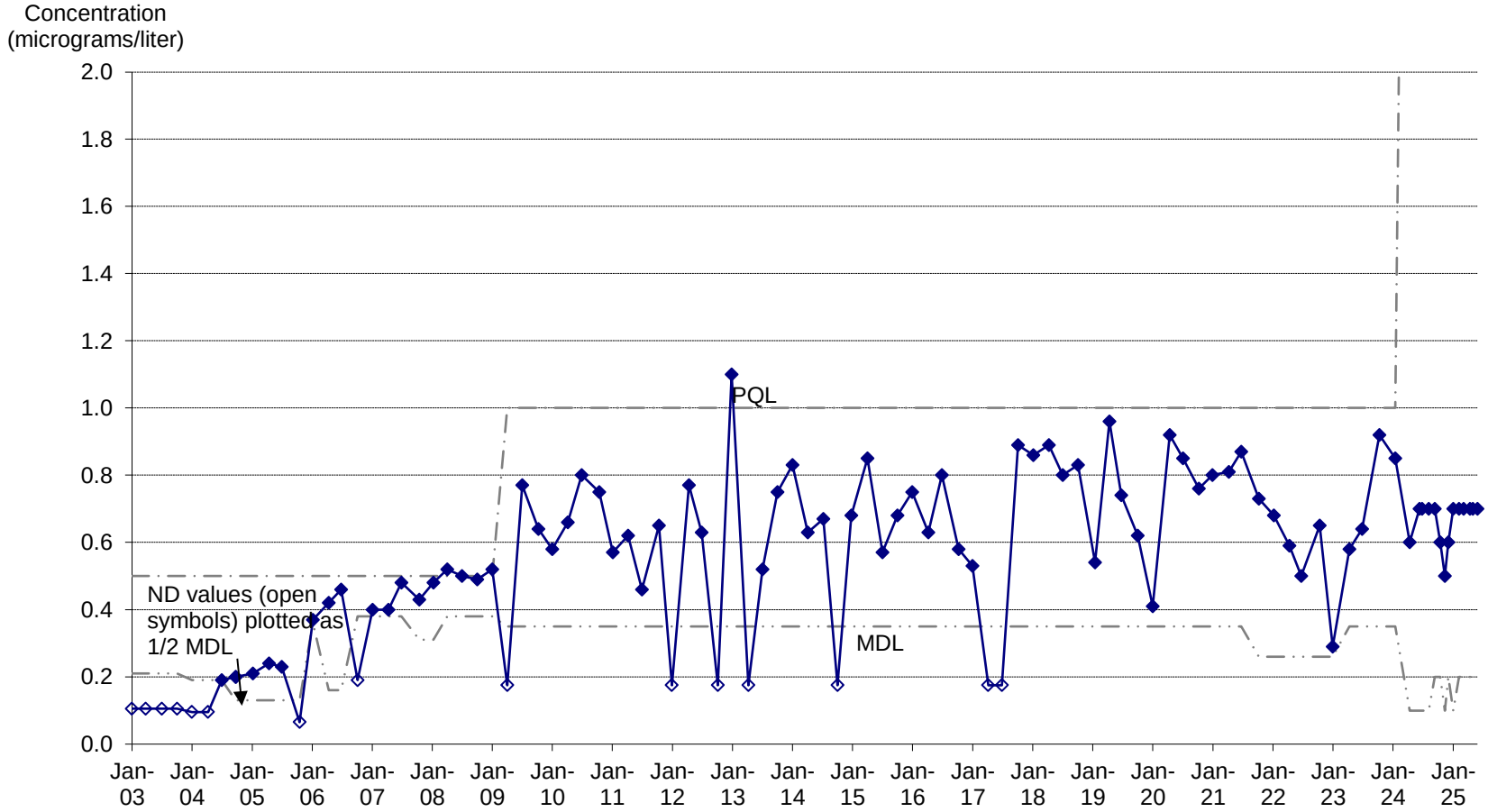


**Figure E-5**
**VOCs Detected**
**Well DW-1**
**Time Series Plot**

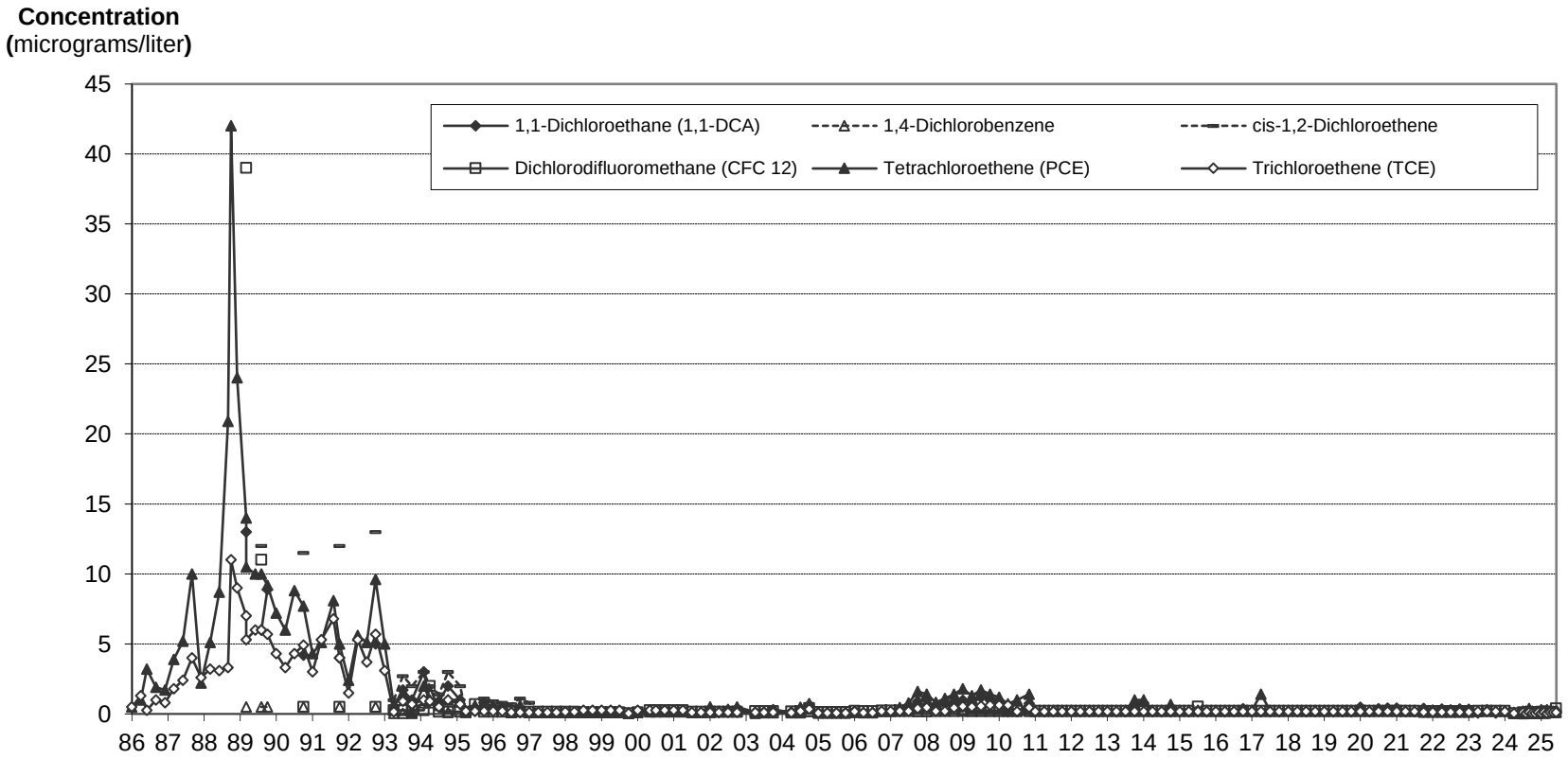


**Figure E-6**
**Dichlorodifluoromethane (CFC 12)**
**Well DW-1**
**Time Series Plot**

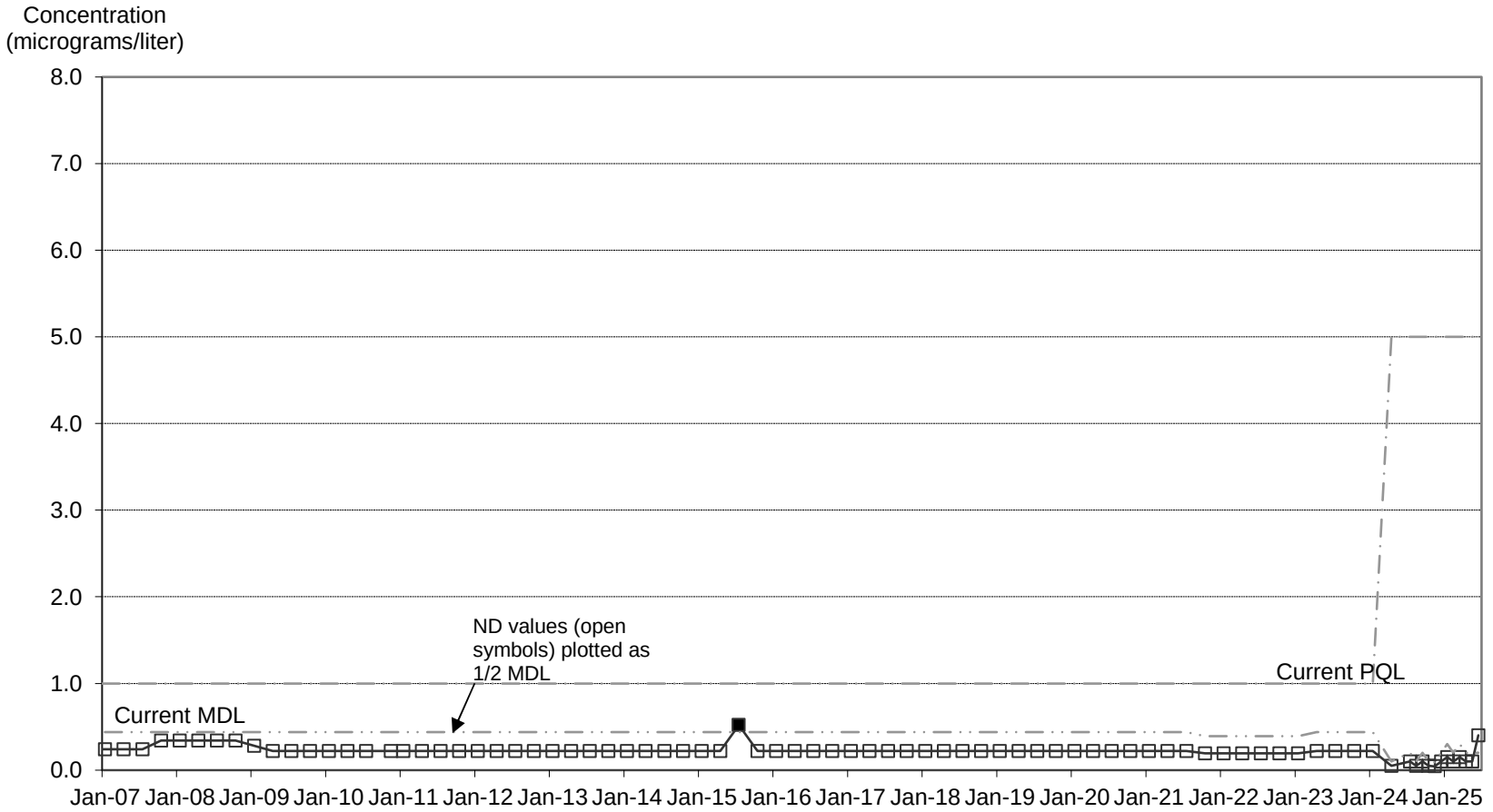


**Figure E-7**
**1,1-Dichloroethane (1,1-DCA)**
**Well DW-1**
**Time Series Plot**

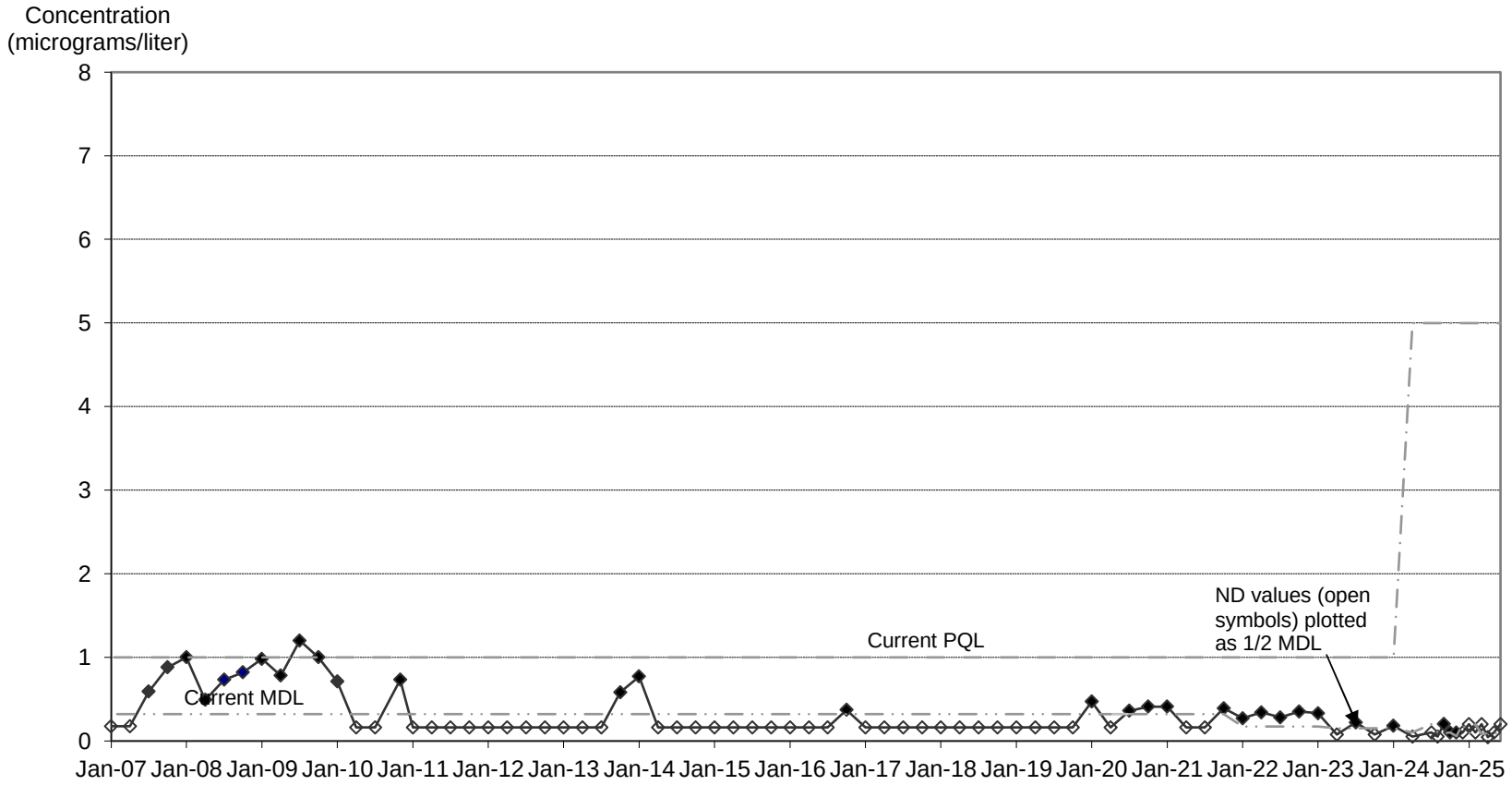


**Figure E-8**
**Tetrachloroethene (PCE)**
**Well DW-1**
**Time Series Plot**

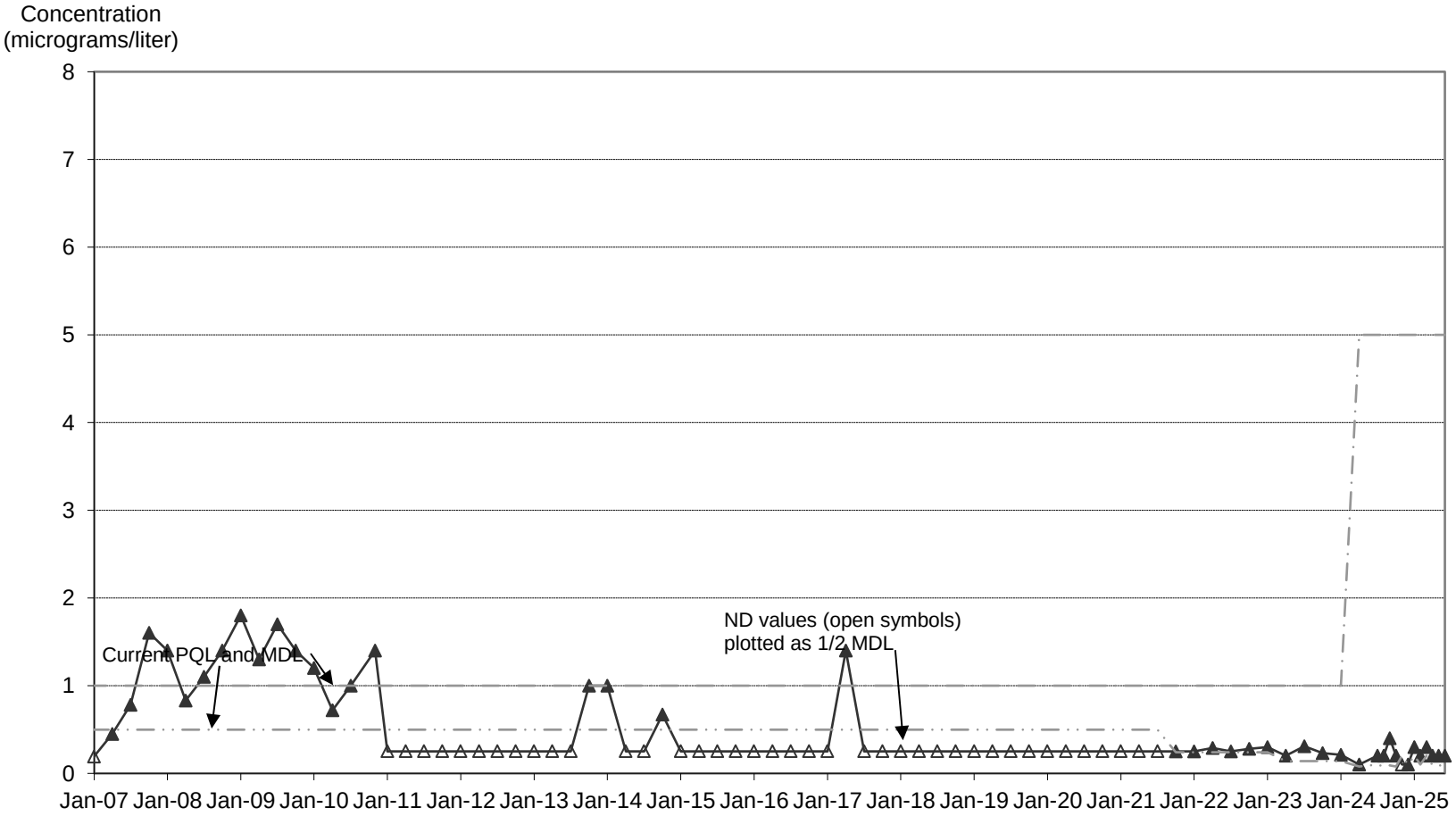


**Figure E-9**
**Trichloroethene (TCE)**
**Well DW-1**
**Time Series Plot**

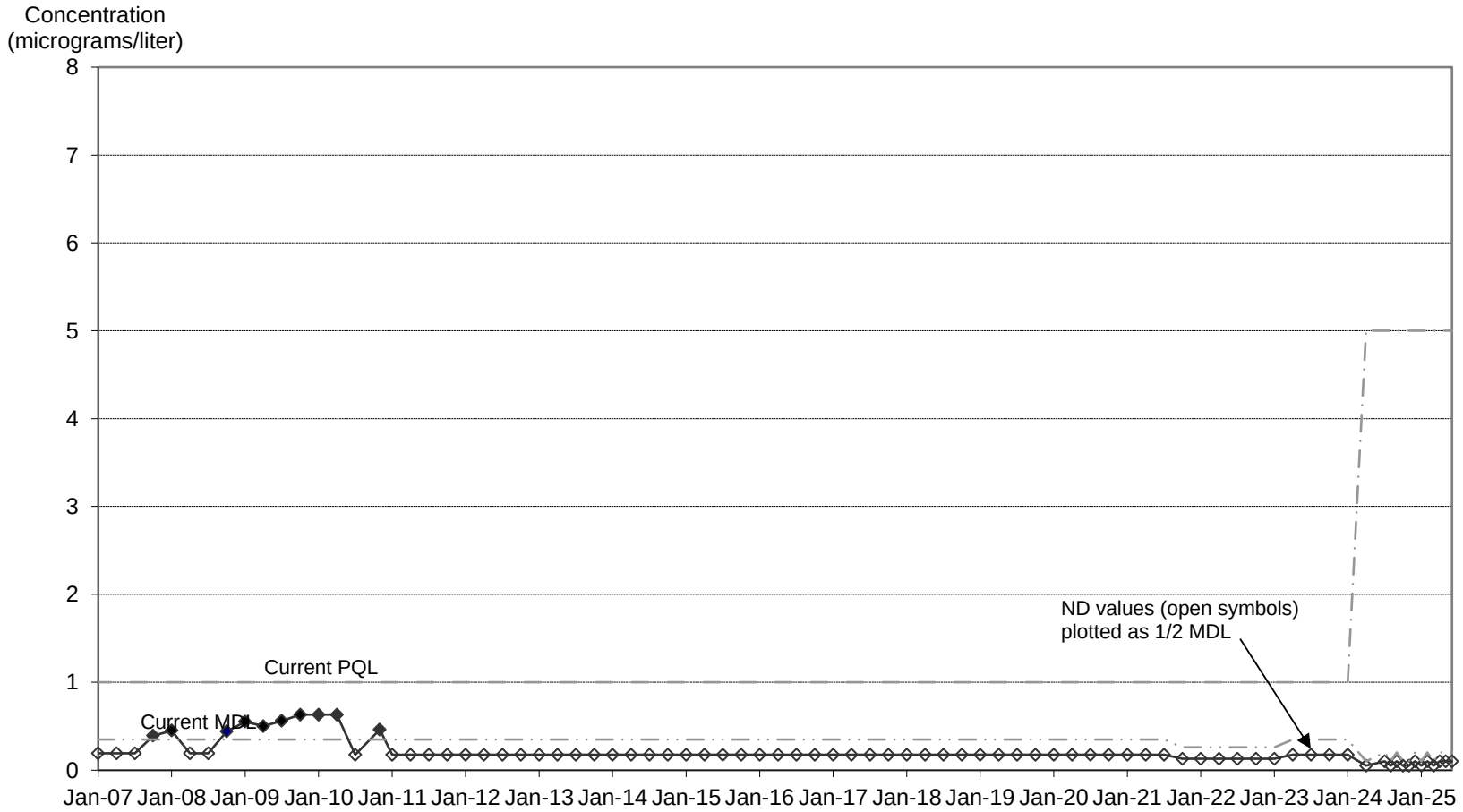


**Figure E-10**
**1,4-Dichlorobenzene**
**Well DW-1**
**Time Series Plot**

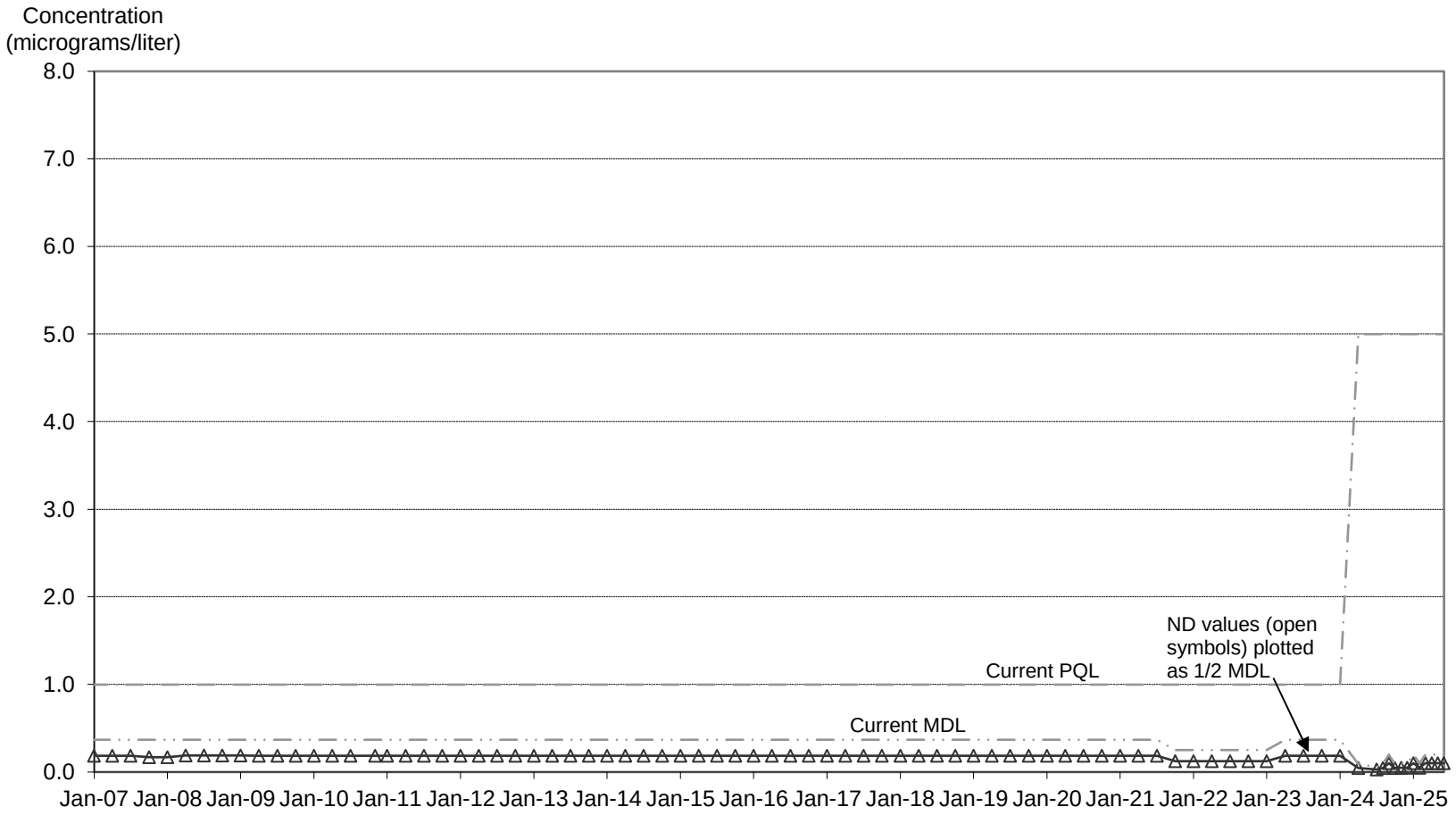


**Figure E-11**
**cis-1,2-Dichloroethene**
**Well DW-1**
**Time Series Plot**

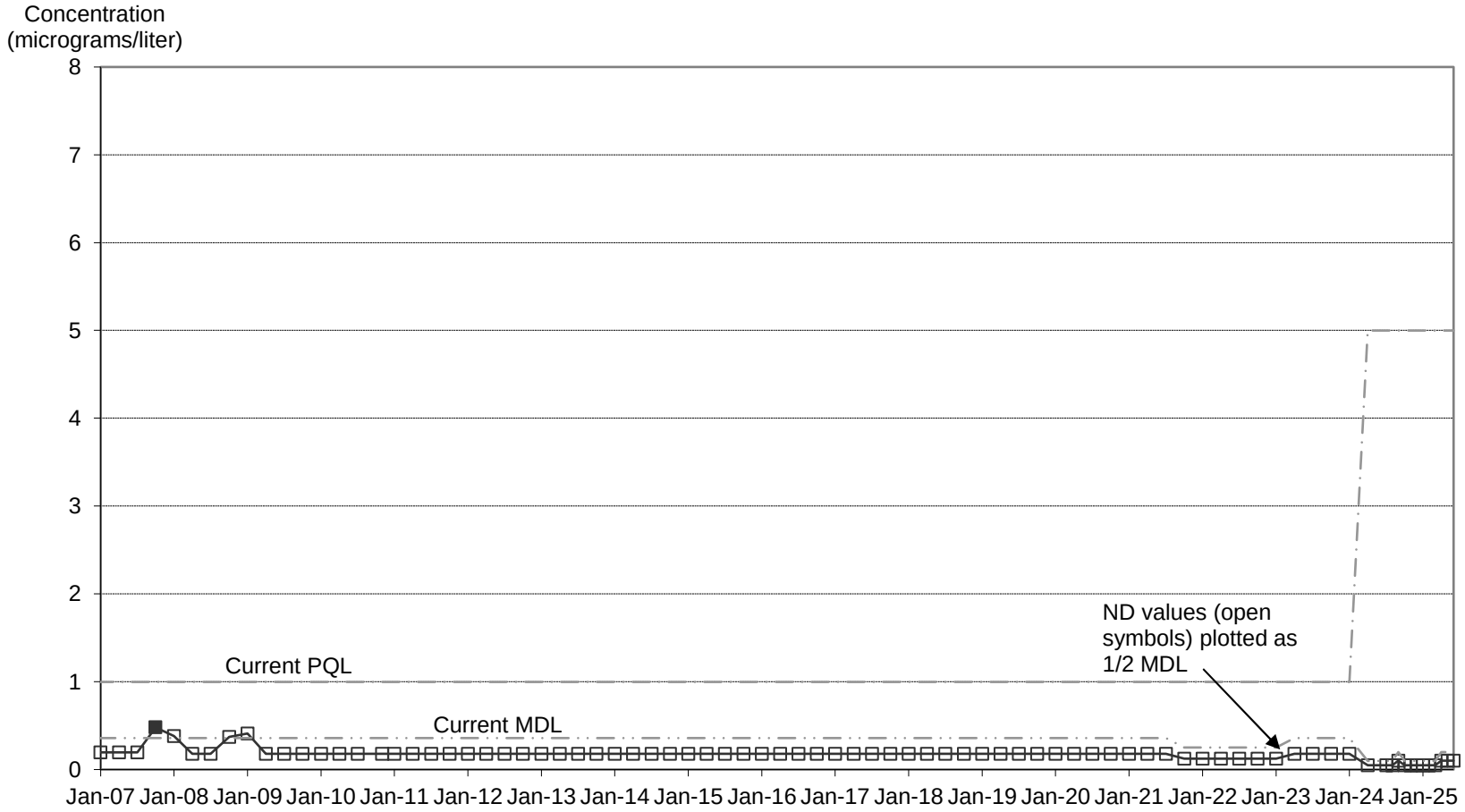


**Figure E-12**
**VOCs Detected**
**Well DW-3**
**Time Series Plot**

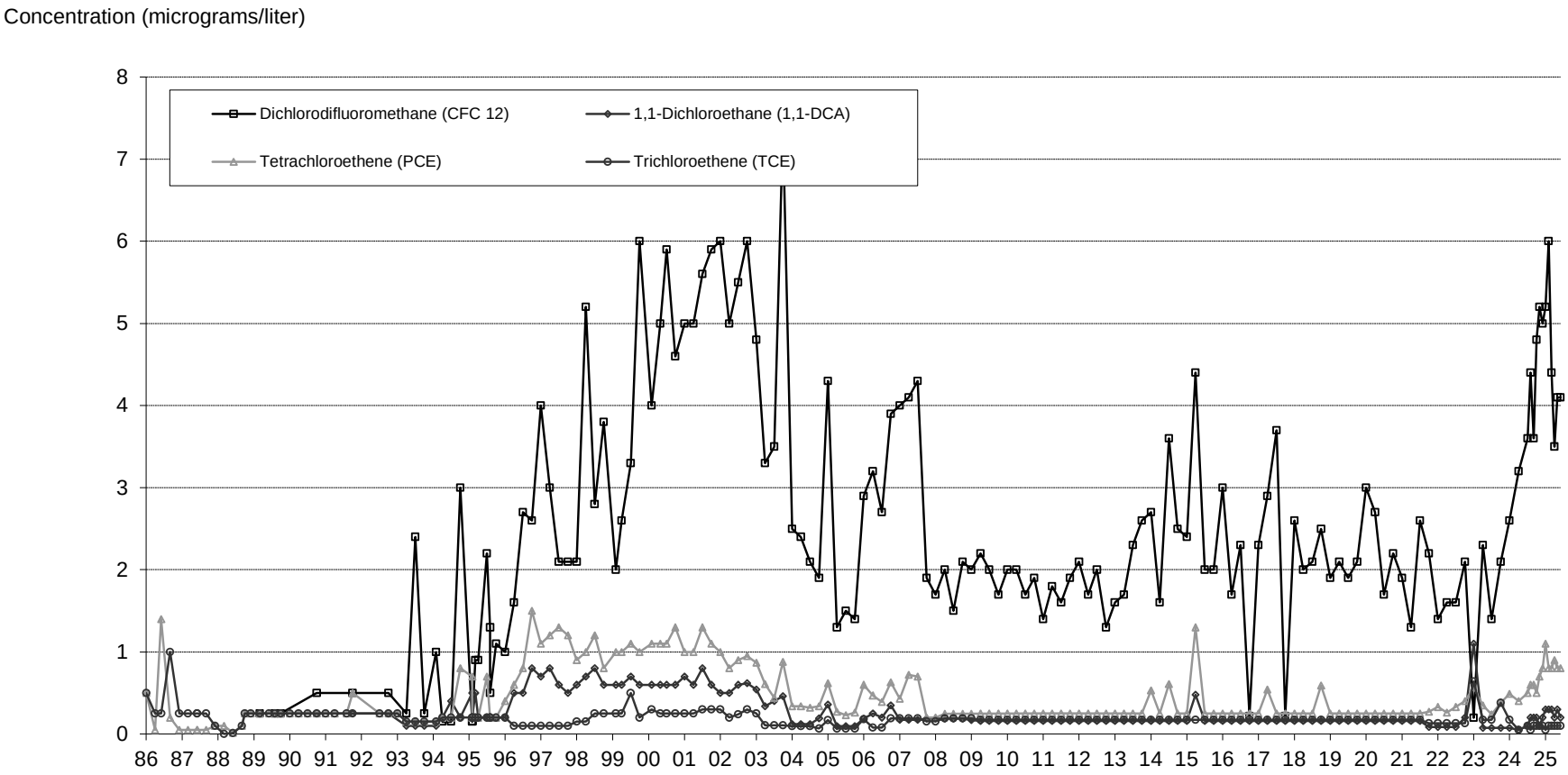


**Figure E-13**
**Dichlorodifluoromethane (CFC 12)**
**Well DW-3**
**Time Series Plot**

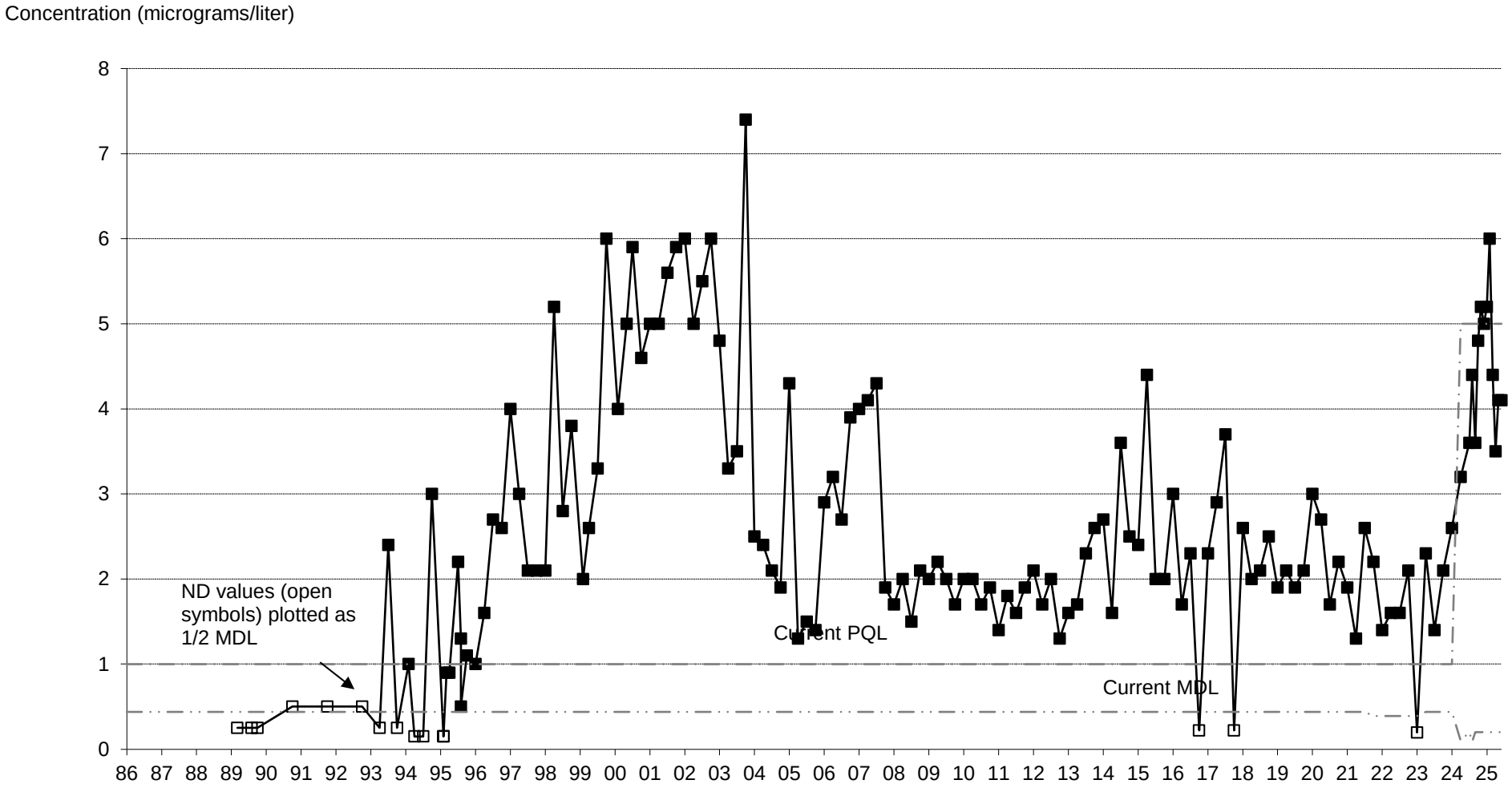


**Figure E-14**
**1,1-Dichloroethane (1,1-DCA)**
**Well DW-3**
**Time Series Plot**

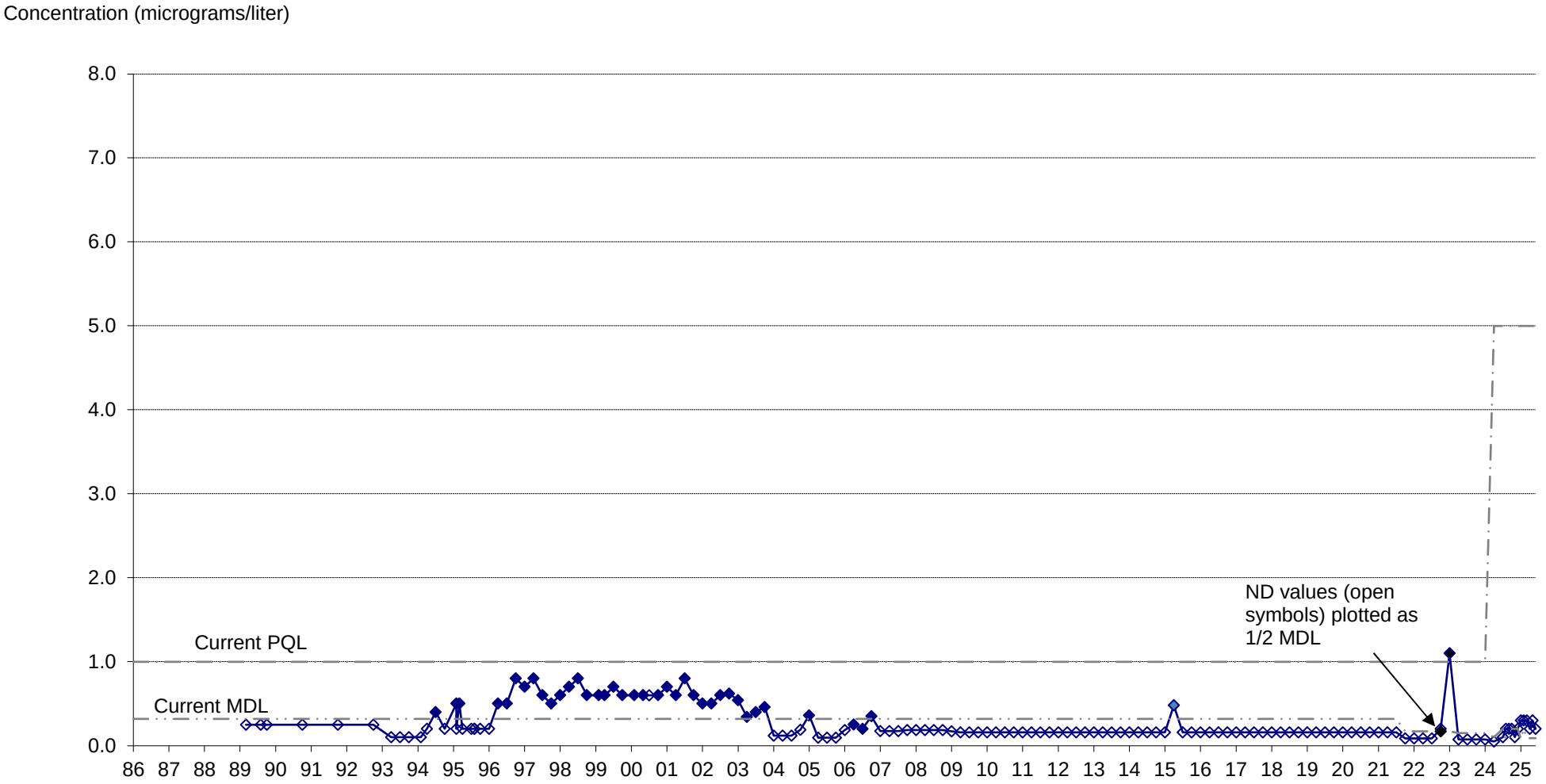


**Figure E-15**
**Tetrachloroethene (PCE)**
**Well DW-3**
**Time Series Plot**

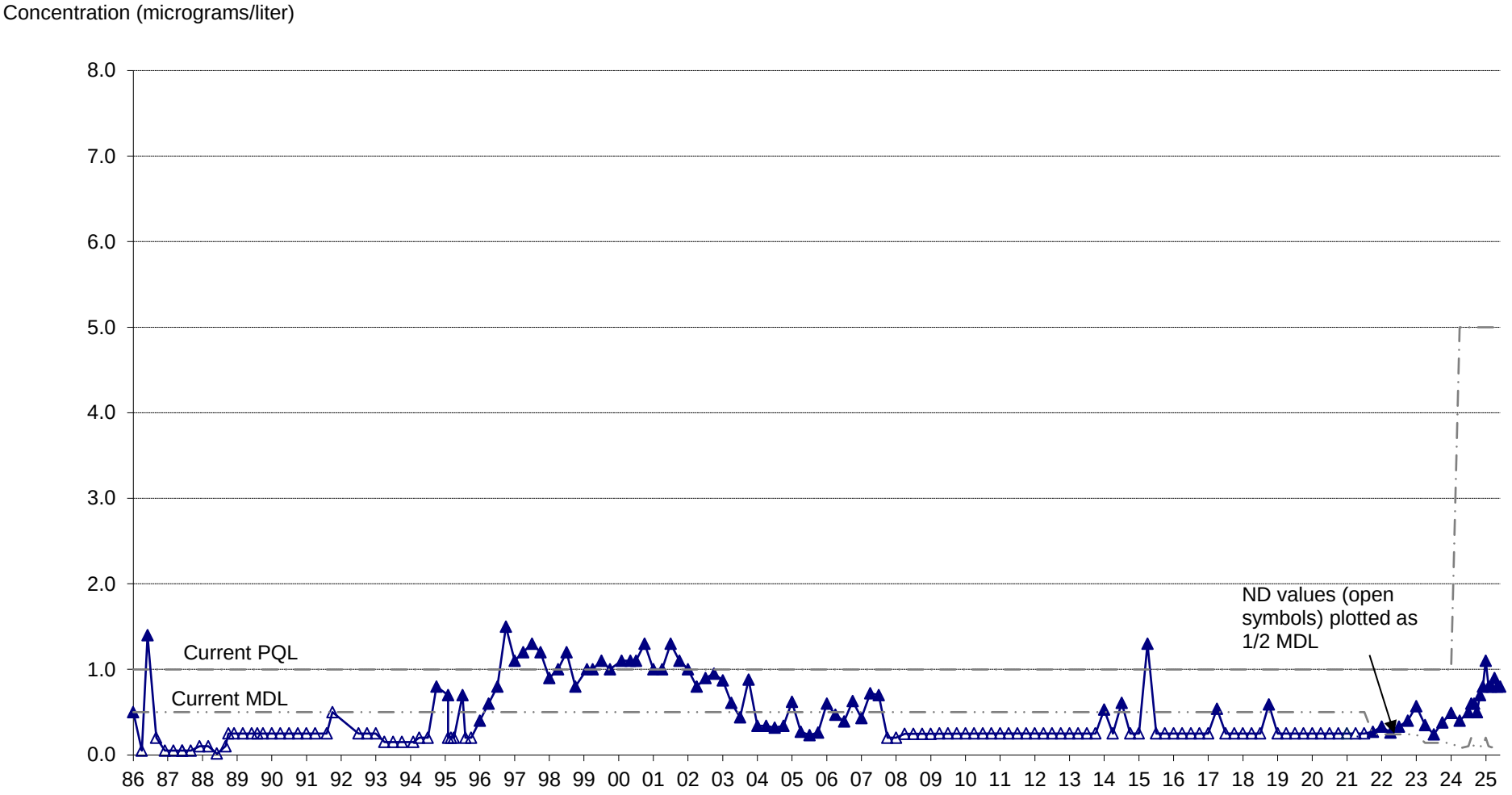
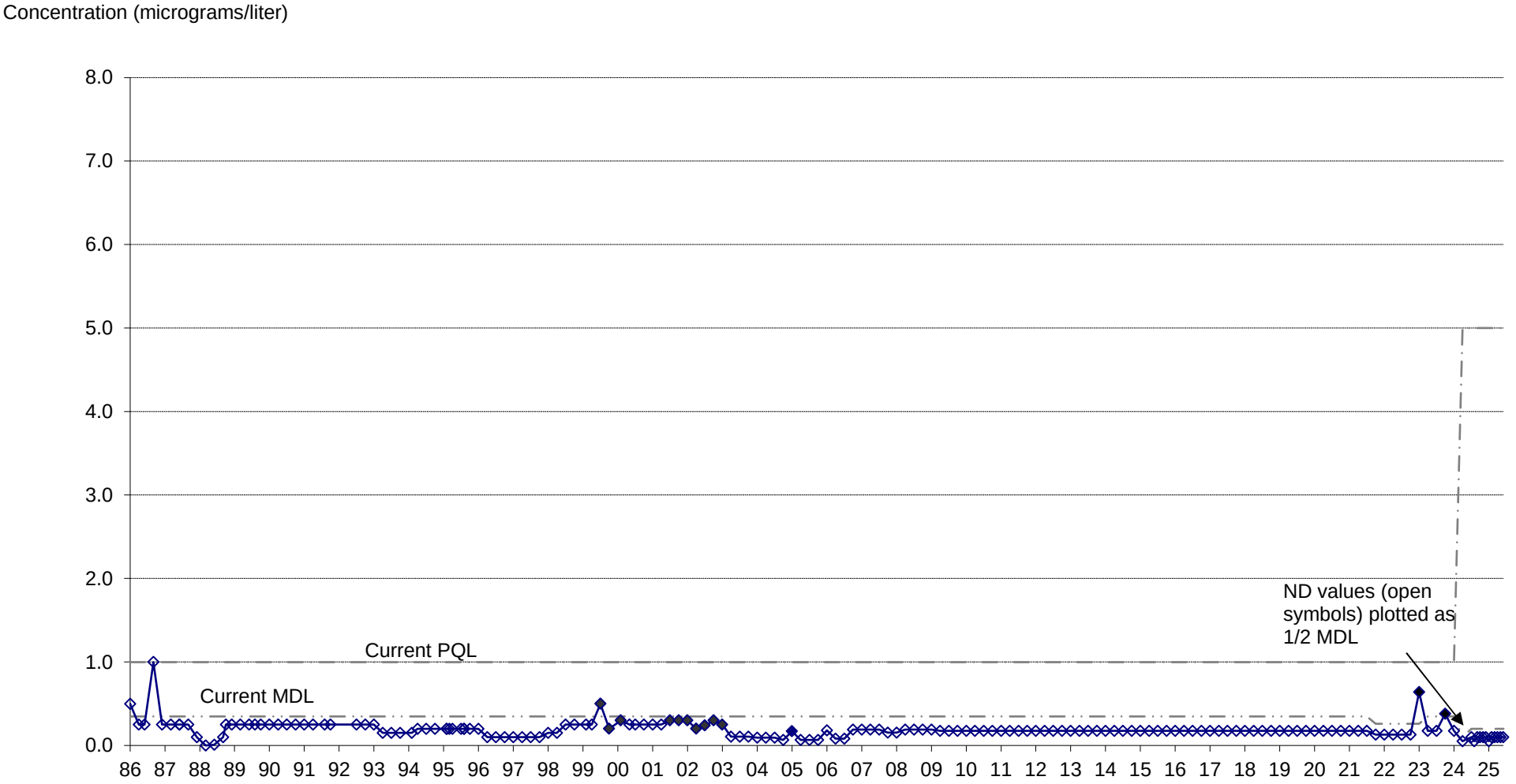


**Figure E-16**
**Trichloroethene (TCE)**
**Well DW-3**
**Time Series Plot**



# APPENDIX F

# LANDFILL GAS MONITORING REPORTS

CHIQUITA CANYON
*a Waste Connections company*

**April 15, 2024**

Mr. Eric Morofuji
Los Angeles County Department of Public Health
Environmental Health
Solid Waste Management Program
5050 Commerce Drive
Baldwin Park, California 91706-1423

**Subject:** **First Quarter 2025 Monitoring Report**
**Chiquita Canyon Landfill**
**SWFP No. 19-AA-0052**

Dear Mr. Morofuji:

Chiquita Canyon Landfill (CCL) is submitting this quarterly monitoring report to comply with SWFP No. 19-AA-0052, re-issued October 19, 2018. This First Quarter 2025 report includes site capacity data as of the end of March and landfill gas monitoring data for January, February and March 2025.

**1. An estimate of the remaining capacity (in cubic yards and tons), and the remaining site life of the existing permitted site in years and months.**

As the Local Enforcement Agency is aware, CCL closed the Chiquita Canyon Landfill to the acceptance of waste effective January 1, 2025. CCL does not receive any waste or beneficial reuse materials, but does continue to dispose of a small quantity of internally generated waste.

**2. The results of the landfill gas migration control program.**

Results of the quarterly landfill gas migration control program are provided as Attachment 1. Only data related to landfill gas migration monitoring data has been enclosed. No landfill gas was detected in any on-site structure. The entire SCAQMD Rule 1150.1 gas monitoring compliance report may be reviewed at CCL.

Please contact me at (661) 257-3655 with any questions regarding this report.

Sincerely,

**CHIQUITA CANYON LANDFILL**

Steve Cassulo
District Manager

Attachments: Attachment 1 – Landfill Gas Migration Monitoring Data

## Attachment 1

## Landfill Gas Migration Monitoring Data

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | 1st Quarter 2025 | |
| Technician: | Stephen Borchers | D Hernandez | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500ppm | 500 PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 194 | Y21 | CV24116 | 2339 | 1-6-25 | | 1/16/25 | 346 | | | | | |
| 194 | Y22 | CV24204 | 5960 | | | | 471 | | | | | |
| 96 | Y23 | CV24115 | 10,000 | | | | 410 | | | | | |
| 195 | Y24 | CV24200 | 7,562 | | | | 313 | | | | | |
| 162 | Y25 | CV24196 | 4,117 | | | | 344 | | | | | |
| 196 | Y26 | Gravpipecap | 4231 | | | | 400 | | | | | |
| 196 | Y27 | Gravpipecap | 2,146 | | | | 277 | | | | | |
| 196 | Y28 | 24182 | 2,860 | | | | 313 | | | | | |
| 198 | Y29 | 36gravpipecap | 5,780 | | | | 110 | | | | | |
| 196 | Y30 | Gravpipecap | 10,000 | | | | 356 | | | | | |
| 196 | Y31 | Gravpipecap | 16,000 | | | | 329 | | | | | |
| 198 | Y32 | CV24194 | 1,905 | | | | 249 | | | | | |
| 198 | Y33 | Gravpipecap | 70,000 | | | | 230 | | | | | |
| 198 | Y34 | CV 24103 | 30,000 | | | | 430 | | | | | |
| 198 | Y35 | unmarked | 50,000 | | | | 419 | | | | | |
| 212 | Y36 | H1 | 650 | | | | 14.71 | | | | | |
| 212 | Y37 | CV24190 | 3,310 | | | | 66.90 | | | | | |
| 212 | Y38 | CV24102 | 742 | | | | 13.20 | | | | | |
| 215 | Y39 | H103A | 630 | | | | 22.55 | | | | | |
| 215 | Y40 | unmarked | 870 | | | | 310 | | | | | |
| 214 | Y140 | H2161W | 2,100 | | | | 420 | | | | | |
| 214 | Y141 | H2058W | 6,400 | ↓ | | ↓ | 400 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1ST QTR /2025 | 1st Quarter / 2025 | |
| Technician: | Stephen Bachus | D Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500ppm | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 214 | Y142 | H2163W | 4,835 | 1-6-25 | | 1/16/25 | 310 | | | | | |
| 214 | Y143 | CV24227 | 2,453 | | | | 333 | | | | | |
| 196 | Y144 | Gravpipecap | 12,000 | | | | 401 | | | | | |
| 197 | Y145 | Gravpipecap | 5,720 | | | | 481 | | | | | |
| 197 | Y146 | Gravpipecap | 4,861 | | | | 466 | | | | | |
| 197 | Y147 | Gravpipecap | 16,000 | | | | 422 | | | | | |
| 219 | Y148 | CV24113 | 28,000 | | | | 456 | | | | | |
| 191 | Y100 | NOID | 500 | | | | 19.44 | | | | | |
| 186 | Y101 | CV24008 | 550 | | | | 28.81 | | | | | |
| 185 | Y102 | CHIAPOD | 4500 | | | | 83.41 | | | | | |
| 185 | Y103 | FD85L026 | 4785 | | | | 193 | | | | | |
| 206 | Y81 | CV2442 | 500 | | | | 18.62 | | | | | |
| 170 | Y82 | CapWell | 1000 | | | | 110 | | | | | |
| 179 | Y61 | CV24019 | 985 | | | | 146 | | | | | |
| 175 | Y66 | CV24139 | 995 | ↓ | | ↓ | 193 | | | | | |

RES

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA CANYON INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #2 SERIAL #: 778454S

MONITORING DATE: 1-16-25 TIME: 0830

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.4 ppm | 2.5 ppm | 1.9 ppm |

Background Value = 1.9 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 500 ppm | 450 ppm | 6 |
| #2 | 500 ppm | 450 ppm | 6 |
| #3 | 503 ppm | 450 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

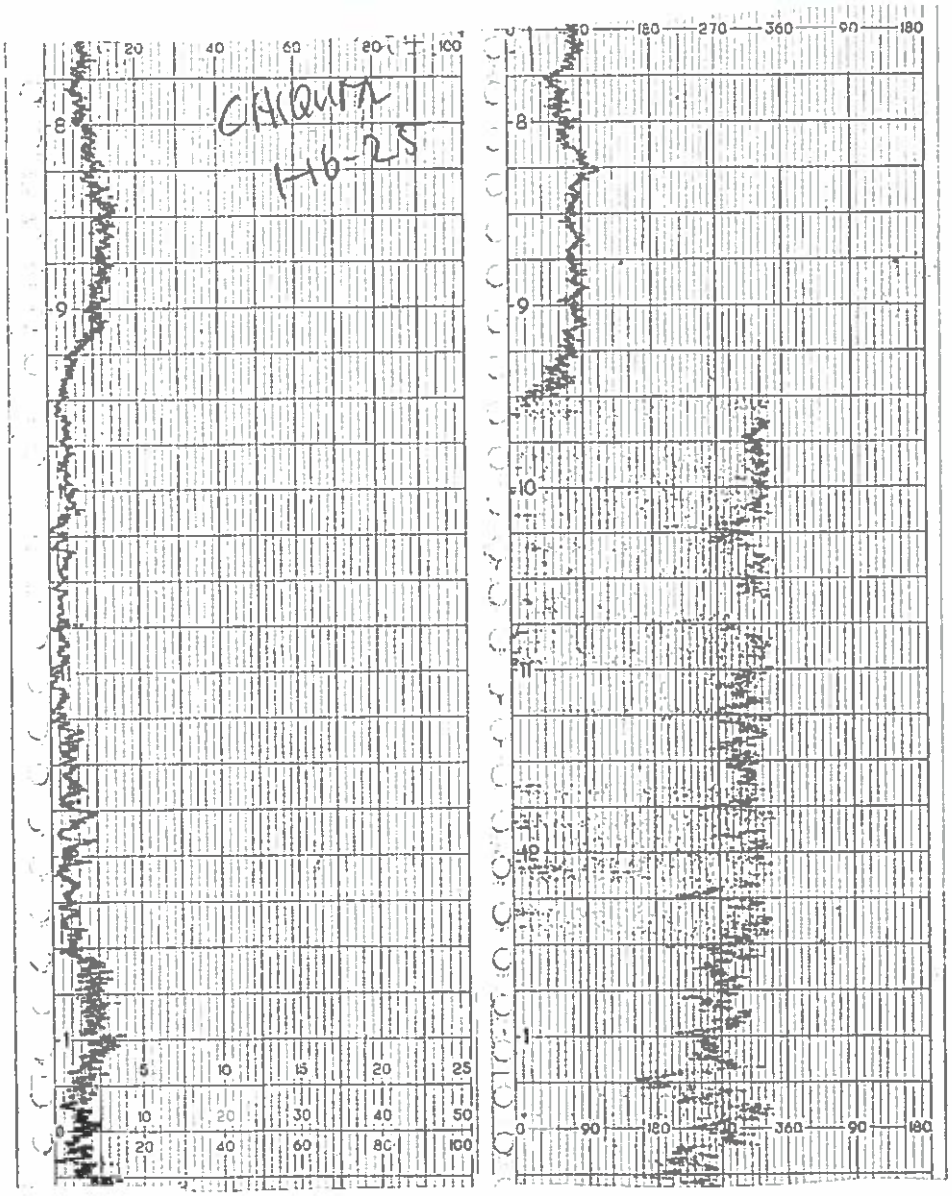
| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.71 ppm | 500 ppm | 0 |
| #2 | 0.68 ppm | 500 ppm | 0 |
| #3 | 0.49 ppm | 503 ppm | 1 |
| Calculate Precision | [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | 0.2 #DIV/0! Must be less than 10% |

Performed By: D. HERNANDEZ Date/Time: 1-16-25 0830

1-6-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43666998 | -118.651554 | 2025-01-06T16:42:26Z | Y100 | 500Ppmgrd191wellnoid |
| 2 | 34.43669303 | -118.649705 | 2025-01-06T17:27:12Z | Y101 | 550Ppmgrd186wellCv-24008 |
| 3 | 34.43666596 | -118.649237 | 2025-01-06T17:46:18Z | Y102 | 4500Ppmgrd185wellCHIFp010 |
| 4 | 34.43663302 | -118.649232 | 2025-01-06T17:48:11Z | Y103 | 4785Ppmgrd185wellTD:85LD:26 |
| 5 | 34.43093902 | -118.650221 | 2025-01-06T19:07:21Z | Y140 | 2100Ppmgrd214wellh2161w |
| 6 | 34.43107397 | -118.650236 | 2025-01-06T19:10:34Z | Y141 | 6400Ppmgrd214wellh2059w |
| 7 | 34.43104547 | -118.6499709 | 2025-01-07T13:26:10Z | Y142 | 4835PPM WELLH2163W |
| 8 | 34.43097599 | -118.649783 | 2025-01-06T19:19:34Z | Y143 | 2453Ppmgrd214wellcv24227 |
| 9 | 34.43113499 | -118.648688 | 2025-01-06T19:28:42Z | Y144 | 12000Ppmgrd199wellgreypipewcap |
| 10 | 34.43127003 | -118.647968 | 2025-01-06T19:32:51Z | Y145 | 5730Ppmgrd197wellgreypipewcap |
| 11 | 34.43157303 | -118.647592 | 2025-01-06T19:36:06Z | Y146 | 4861Ppmgrd197wellgreypipewcap |
| 12 | 34.431381 | -118.647428 | 2025-01-06T19:40:57Z | Y147 | 16000Ppmgrd197wellgreypipewcap |
| 13 | 34.43085101 | -118.649764 | 2025-01-06T19:58:08Z | Y148 | 28000Ppmgrd219wellcv24113 |
| 14 | 34.43167504 | -118.645721 | 2025-01-06T16:49:29Z | Y21 | 2339Ppmgrd194wellcv24116 |
| 15 | 34.43144202 | -118.646255 | 2025-01-06T16:53:02Z | Y22 | 5960Ppmgrd194wellcv24204 |
| 16 | 34.43123398 | -118.646794 | 2025-01-06T17:15:39Z | Y23 | 10000Ppmgrd162wellcv24196 |
| 17 | 34.43145401 | -118.647227 | 2025-01-06T17:06:10Z | Y24 | 7562Ppmgrd195wellcv24200 |
| 18 | 34.43207896 | -118.647187 | 2025-01-06T17:11:47Z | Y25 | 4117Ppmgrd162wellcv24196 |
| 19 | 34.431941 | -118.647653 | 2025-01-06T17:25:02Z | Y26 | 4231Ppmgrd196wellgreyIpewcap |
| 20 | 34.431855 | -118.6479 | 2025-01-06T17:28:55Z | Y27 | 2146Ppmgrd196wellgreypipewcap |
| 21 | 34.43227996 | -118.648061 | 2025-01-06T17:33:21Z | Y28 | 2860Ppmgrd196well24182 |
| 22 | 34.432214 | -118.648415 | 2025-01-06T17:36:39Z | Y29 | 5780Ppmgrd198well3greypipewcap |
| 23 | 34.43208802 | -118.648318 | 2025-01-06T17:39:28Z | Y30 | 10000Ppmgrd196wellgreypipewcap |
| 24 | 34.43177202 | -118.648101 | 2025-01-06T17:43:16Z | Y31 | 16000Ppmgrd196wellgreypipewcap |
| 25 | 34.43170899 | -118.648488 | 2025-01-06T17:47:01Z | Y32 | 4905Ppmgrd198wellcv24194 |
| 26 | 34.43180303 | -118.648737 | 2025-01-06T17:50:26Z | Y33 | 70000Ppmgrd198wellgreypipewcap |
| 27 | 34.43166599 | -118.648832 | 2025-01-06T17:53:12Z | Y34 | 30000Ppmgrd198wellcv24103 |
| 28 | 34.43218097 | -118.648794 | 2025-01-06T17:56:50Z | Y35 | 50000Ppmgrd198wellunmarked |
| 29 | 34.432114 | -118.649204 | 2025-01-06T18:03:19Z | Y36 | 650Ppmgrd212wellh1 |
| 30 | 34.43161201 | -118.649509 | 2025-01-06T18:09:55Z | Y37 | 3310Ppmgrd212wellcv24190 |
| 31 | 34.43163296 | -118.649793 | 2025-01-06T18:15:02Z | Y38 | 742Ppmgrd212wellcv24102 |
| 32 | 34.43126198 | -118.650682 | 2025-01-06T19:02:02Z | Y39 | 630Ppmgrd215wellh103a |
| 33 | 34.43113097 | -118.650583 | 2025-01-06T19:00:25Z | Y40 | 870Ppmgrd215wellunknown |
| 34 | 34.43577304 | -118.649773 | 2025-01-06T16:55:39Z | Y61 | Y61PPM985WEIICV24019 |
| 35 | 34.43449899 | -118.651128 | 2025-01-06T17:23:51Z | Y66 | Y66PPM995WEIICV24139 |
| 36 | 34.432847 | -118.65148 | 2025-01-06T17:15:02Z | Y81 | 500Ppmcapwellcv2497 |
| 37 | 34.43378602 | -118.649937 | 2025-01-06T17:54:01Z | Y82 | 1000Ppmcapwell |

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Borchert |
| Instrument: | TVA1000 |
| Calibration Standard: | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 64P | Y101 | C-28 | 2,400 | 1-9-25 | | | | | | | | |
| 65P | Y102 | C-27 | 1,150 | | | | | | | | | |
| 65P | Y103 | C-26 | 1,284 | | | | | | | | | |
| 48P | Y121 | C-10 | 708 | | | | | | | | | |
| 44P | Y122 | C-11 | 1,120 | | | | | | | | | |
| 64P | Y123 | Unmarked | 2,000 | | | | | | | | | |
| 65P | Y124 | C-15 | 3,000 | | | | | | | | | |
| 58P | Y125 | C25 | 3,000 | | | | | | | | | |
| 58P | Y126 | C-17D | 5,000 | | | | | | | | | |
| 72P | Y127 | C-22 | 2,000 | | | | | | | | | |
| 246 | Y61 | surface | 736 | | | | | | | | | |
| 247 | Y62 | surface | 640 | | | | | | | | | |
| 103 | Y63 | surface | 803 | | | | | | | | | |
| 103 | Y64 | H-2056B | 700 | | | | | | | | | |
| 52 | Y81 | CV05 | 500 | | | | | | | | | |
| 51 | Y82 | CV06 | 700 | | | | | | | | | |
| 92 | Y83 | CV07 | 550 | | | | | | | | | |
| 95 | Y84 | D-6 | 800 | | | | | | | | | |
| 220 | Y21 | surface | 523 | | | | | | | | | |
| 220 | Y22 | surface | 500 | | | | | | | | | |
| 220 | Y23 | surface | 872 | | | | | | | | | |
| 227 | Y24 | H-2056W | 500 | ✓ | | | | | | | | |

1-9-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43546098 | -118.641407 | 2025-01-09T16:32:06Z | Y101 | 2400Ppmgrd64pwellc28 |
| 2 | 34.43617897 | -118.640987 | 2025-01-09T16:38:18Z | Y102 | 1150Ppmgrd65pwellc27 |
| 3 | 34.436615 | -118.641276 | 2025-01-09T16:43:48Z | Y103 | 1284Ppmgrd65pwellc26 |
| 4 | 34.43472899 | -118.641197 | 2025-01-09T16:25:40Z | Y121 | 708PPMGRD48PWELLC10 |
| 5 | 34.43527699 | -118.641308 | 2025-01-09T16:31:50Z | Y122 | PPM1000GRD44PWELLC11 |
| 6 | 34.43596599 | -118.640883 | 2025-01-09T16:38:22Z | Y123 | PPM2000GRD64PWELLC27 |
| 7 | 34.43625801 | -118.641058 | 2025-01-09T16:43:44Z | Y124 | PPM3000GRD65PWELLC15 |
| 8 | 34.437104 | -118.641669 | 2025-01-09T16:50:04Z | Y125 | PPM3000GRD58PWELLC25 |
| 9 | 34.43735604 | -118.641925 | 2025-01-09T16:54:17Z | Y126 | PPM5000GRD58PWELLC17B |
| 10 | 34.43818099 | -118.642853 | 2025-01-09T17:00:56Z | Y127 | PPM2000GRD72PWELLC22 |
| 11 | 34.430331 | -118.650643 | 2025-01-09T16:17:43Z | Y21 | 523Ppmgrd220surface |
| 12 | 34.43029898 | -118.650659 | 2025-01-09T16:19:09Z | Y22 | 500Ppmgrd220surface |
| 13 | 34.43021198 | -118.650695 | 2025-01-09T16:20:23Z | Y23 | 872Ppmgrd220surface |
| 14 | 34.429928 | -118.650914 | 2025-01-09T16:27:16Z | Y24 | 500Ppmgrd227wellH-2056w |
| 15 | 34.42972901 | -118.650978 | 2025-01-09T16:30:56Z | Y25 | 3728Ppmgrd227surface |
| 16 | 34.429683 | -118.651043 | 2025-01-09T16:32:40Z | Y26 | 500Ppmgrd227surface |
| 17 | 34.429598 | -118.651137 | 2025-01-09T16:35:43Z | Y27 | 600Ppmgrd227surface |
| 18 | 34.42951997 | -118.650968 | 2025-01-09T16:40:56Z | Y28 | 523Ppmgrd227wellHC2401w |
| 19 | 34.43017703 | -118.648207 | 2025-01-09T16:57:58Z | Y29 | 541Ppmgrd221surface |
| 20 | 34.42838598 | -118.649737 | 2025-01-09T17:38:54Z | Y30 | 975Ppmgrd240surface |
| 21 | 34.42845999 | -118.649621 | 2025-01-09T17:41:22Z | Y31 | 2732Ppmgrd240surface |
| 22 | 34.42792003 | -118.648969 | 2025-01-09T17:50:22Z | Y32 | 700Ppmgrd239wellNoID |
| 23 | 34.42733204 | -118.650049 | 2025-01-09T17:20:16Z | Y61 | Ppm736grd246surface |
| 24 | 34.42739499 | -118.649368 | 2025-01-09T17:35:12Z | Y62 | Ppm640grd247surface |
| 25 | 34.42969398 | -118.646973 | 2025-01-09T18:40:36Z | Y63 | Ppm803grd103surface |
| 26 | 34.429698 | -118.647476 | 2025-01-09T18:48:10Z | Y64 | Ppm780grd103wellh-20568 |
| 27 | 34.43284297 | -118.642209 | 2025-01-09T17:16:02Z | Y81 | 500Ppmwellcv05 |
| 28 | 34.43268204 | -118.642842 | 2025-01-09T17:21:22Z | Y82 | 700Ppmwellcv06 |
| 29 | 34.43203202 | -118.643946 | 2025-01-09T17:33:07Z | Y83 | 550Ppmwellcv07 |
| 30 | 34.43010502 | -118.645433 | 2025-01-09T17:49:04Z | Y84 | 800Ppmwelld6 |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 1st Quarter 2025 |
| Technician | Stephen Garches | D Hernandez |
| Instrument: | TVA1000 | TVA 1000 |
| Calibration Standard: | 25 ppm | 25 PPM |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd >25 ppm |
| 166 | 28.19 | 1-16-25 | | 1/25/25 | 22.1 | | | | | |
| 81 | 38.59 | | | | 14.6 | | | | | |
| 178 | 30.16 | | | | 13 | | | | | |
| 174 | 79.61 | | | | 24.3 | | | | | |
| 168 | 37.1 | | | | 23.8 | | | | | |
| 165 | 38.62 | | | | 20.0 | | | | | |
| 160 | 27.39 | | | | 9.1 | | | | | |
| 163 | 28.29 | | | | 11.3 | | | | | |
| 164 | 36.17 | | | | 24.3 | | | | | |
| 209 | 37.61 | | | | 21.9 | | | | | |
| 210 | 31.72 | | | | 17.6 | | | | | |
| 195 | 27.34 | | | | 23.7 | | | | | |
| 197 | 30.20 | | | | 18.8 | | | | | |
| 199 | 25.20 | | | | 21.6 | | | | | |
| 96 | 26.7 | | | | 16.9 | | | | | |
| 99 | 31.6 | | | | 19.8 | | | | | |
| 216 | 25.5 | | | | 16.42 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita Canyon INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: 41 SERIAL #: 1024422587

MONITORING DATE: 1-25-25 TIME: 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.8 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 3.2 ppm | 4.1 ppm | 3.6 ppm |

Background Value = 3.6 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.5 ppm | 22.5 ppm | 6 |
| #2 | 24.5 ppm | 22.5 ppm | 5 |
| #3 | 24.8 ppm | 22.5 ppm | 6 |
| Calculate Response Time (1+2+3)/3 | | | 5.6 #DIV/0! Must be less than 30 seconds |

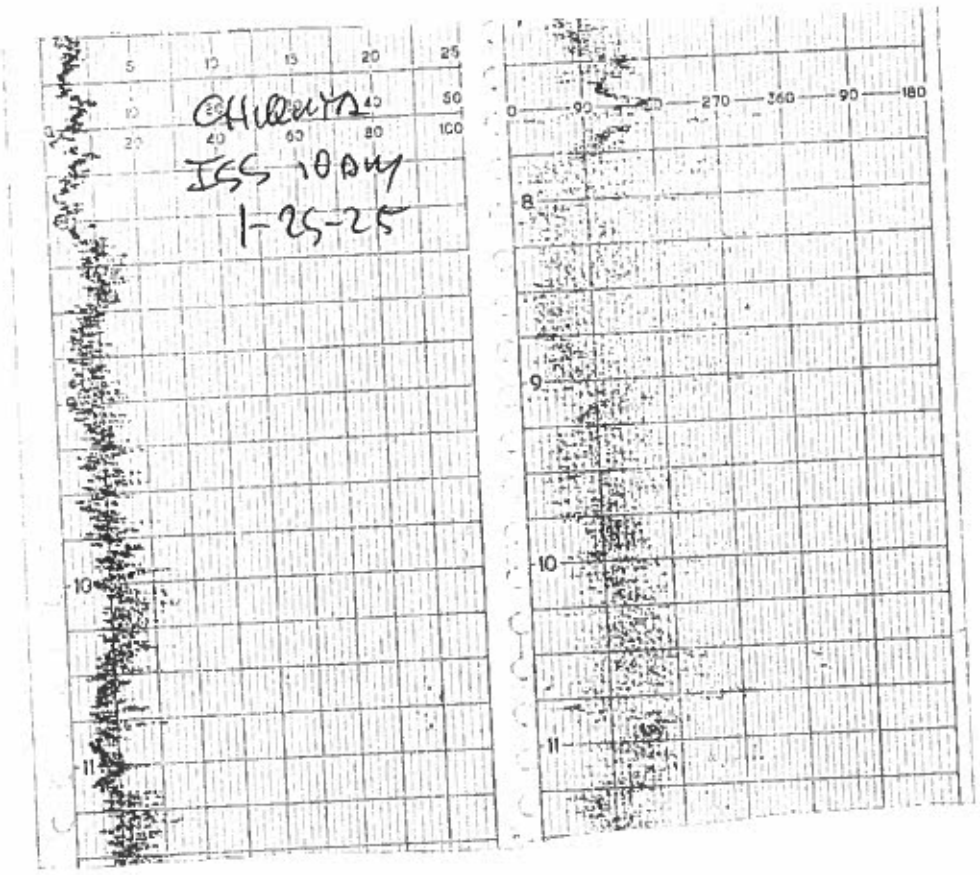
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.8 ppm | 24.5 ppm | 0.5 |
| #2 | 0.8 ppm | 24.5 ppm | 0.5 |
| #3 | 0.8 ppm | 24.8 ppm | 0.2 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 1.6% #DIV/0! Must be less than 10% |

Performed By: D. Hernandez Date/Time: 1-25-25/0700

# WIND SPEED & DIRECTION CHART ROLL



# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR/2025 |
| Technician | Stephen Burchers |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 71 | 49.30 | 1-17-25 | | | | | | | | |
| 40 | 30.25 | | | | | | | | | |
| 45 | 80.40 | | | | | | | | | |
| 33 | 47.1 | | | | | | | | | |
| 93 | 28.43 | | | | | | | | | |
| 221 | 30.40 | | | | | | | | | |
| 224 | 30.41 | | | | | | | | | |
| 92 | 52.7 | | | | | | | | | |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | 1st Quarter 2025 |
| Technician | Stephen Burchers | D Hernandez |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25 ppm | 25 PPM |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm |
| 71 | 49.30 | 1-17-25 | | 1/25/25 | 23.6 | | | | | |
| 40 | 30.25 | | | | 16.7 | | | | | |
| 45 | 80.40 | | | | 19.3 | | | | | |
| 33 | 47.1 | | | | 16.7 | | | | | |
| 93 | 28.43 | | | | 20.7 | | | | | |
| 221 | 30.40 | | | | 18.9 | | | | | |
| 224 | 30.41 | | | | 21.4 | | | | | |
| 92 | 52.7 | | | | 22.8 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita Canyon INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: 41 SERIAL #: 1024422587

MONITORING DATE: 1-25-25 TIME: 0700

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.8 ppm
3. Adjust meter settings to read 25 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 3.2 ppm | 4.1 ppm | 3.6 ppm |

Background Value = 3.6 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.5 ppm | 22.5 ppm | 6 |
| #2 | 24.5 ppm | 22.5 ppm | 5 |
| #3 | 24.8 ppm | 22.5 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 5.6 #DIV/0! Must be less than 30 seconds |

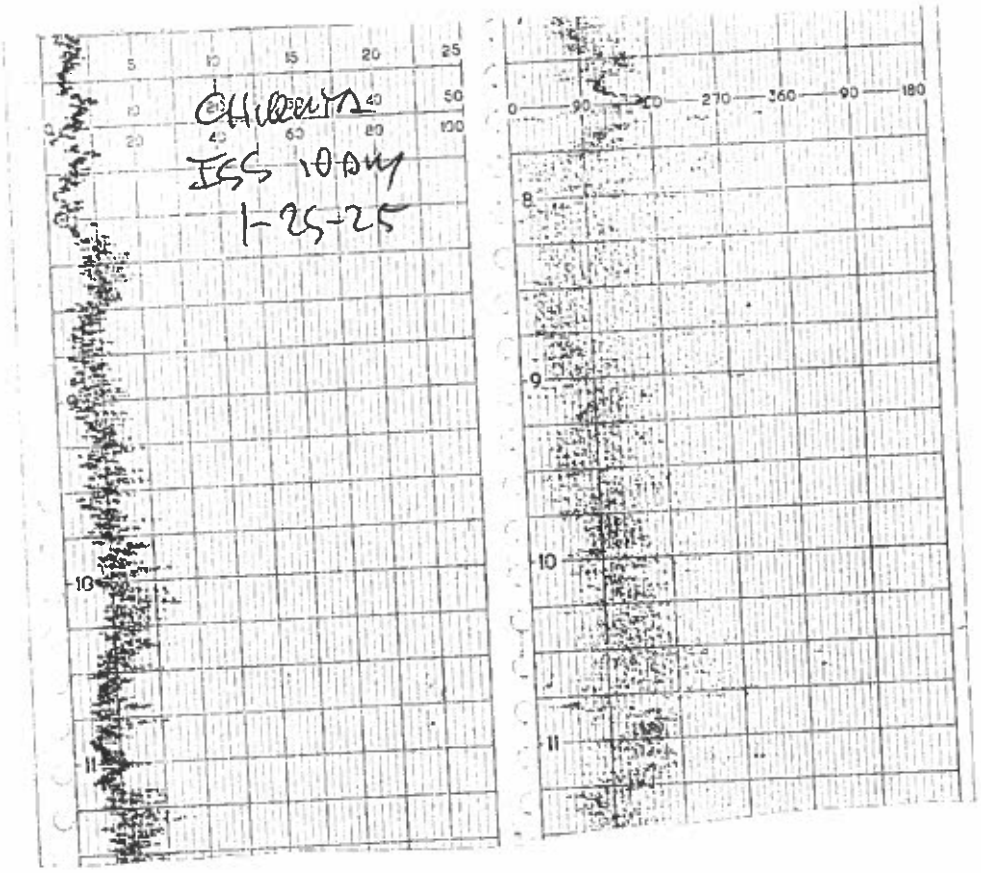
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.8 ppm | 24.5 ppm | 0.5 |
| #2 | 0.8 ppm | 24.5 ppm | 0.5 |
| #3 | 0.8 ppm | 24.8 ppm | 0.2 |
| Calculate Precision | [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | 1.6% #DIV/0! Must be less than 10% |

Performed By: D. Hernandez Date/Time: 1-25-25/0700

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 237 | 25.35 | 1-18-25 | | | | | | | | |
| 230 | 63.8 | | | | | | | | | |
| 229 | 37.9 | | | | | | | | | |
| 244 | 30.26 | | | | | | | | | |
| 214 | 209 | | | | | | | | | |
| 215 | 200 | | | | | | | | | |
| 220 | 103 | | | | | | | | | |
| 219 | 85 | ✓ | | | | | | | | |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site Chiquita



| | | |
|---|---|---|
| Quarter / Year | 1ST QTR/2025 | 1st Quarter 2025 |
| Technician: | Stephen Borchers | D Hernandez |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25 ppm | 25 PPM |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm |
| 237 | 25.35 | 1-18-25 | | 1/25/25 | 9.5 | | | | | |
| 230 | 63.8 | | | | 20.3 | | | | | |
| 229 | 37.9 | | | | 17.6 | | | | | |
| 244 | 30.26 | | | | 13.8 | | | | | |
| 214 | 209 | | | | 17.2 | | | | | |
| 215 | 200 | | | | 18.9 | | | | | |
| 220 | 103 | | | | 16.5 | | | | | |
| 219 | 85 | ✓ | | | 22.9 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita Canyon INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: 41 SERIAL #: 1024422587

MONITORING DATE: 1-25-25 TIME: 0700

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.8 ppm
3. Adjust meter settings to read 25 ppm

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 3.2 ppm | 4.1 ppm | 3.6 ppm |

Background Value = 3.6 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.5 ppm | 22.5 ppm | 6 |
| #2 | 24.5 ppm | 22.5 ppm | 5 |
| #3 | 24.8 ppm | 22.5 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 5.6 #DIV/0! Must be less than 30 seconds |

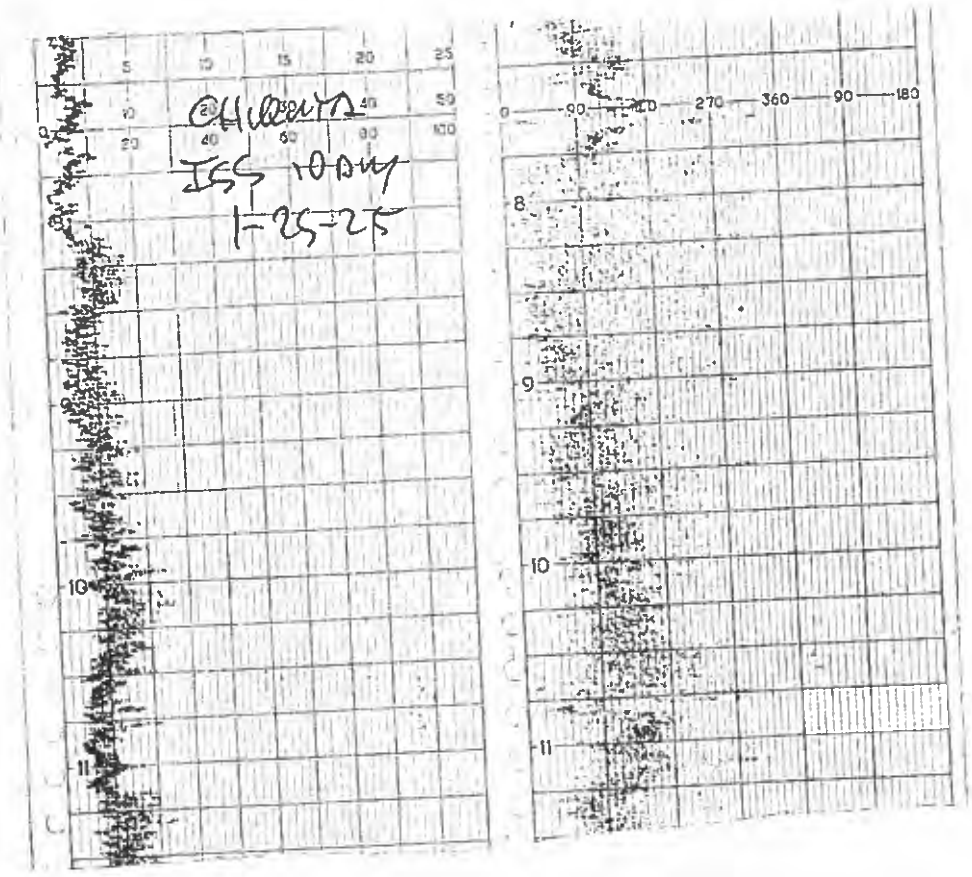
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.8 ppm | 24.5 ppm | 0.5 |
| #2 | 0.8 ppm | 24.5 ppm | 0.5 |
| #3 | 0.8 ppm | 24.8 ppm | 0.2 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 1.6% #DIV/0! Must be less than 10% |

Performed By: D. Hernandez Date/Time: 1-25-25/0700

# WIND SPEED & DIRECTION CHART ROLL



## Sunshine Canyon
## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

**Site:** Chiquita



| | |
|---|---|
| **Quarter / Year:** | 1ST QTR / 2025 |
| **Technician:** | Alberto Lopez |
| **Instrument:** | TVA 1000 |
| **Calibration Standard:** | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 3 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 159 | Y21 | CV 24164 | 1000 | 1-24-25 | | | | | | | | |
| 149 | Y22 | TD120DL95 | 3000 | | | | | | | | | |
| 159 | Y23 | CV 2484 | 1500 | | | | | | | | | |
| 184 | Y24 | CV 2811 | 1400 | | | | | | | | | |
| 184 | Y25 | 145 TD6 FLD92 | 1200 | | | | | | | | | |
| 165 | Y1 | CV 24080 | 1159 | | | | | | | | | |
| 160 | Y2 | CV 24088 | 5771 | | | | | | | | | |
| 83 | Y3 | CV 24160 | 1002 | | | | | | | | | |
| 83 | Y4 | CHH 19545 | 558 | | | | | | | | | |
| 155 | Y5 | CV 24159 | 699 | | | | | | | | | |
| 83 | Y6 | CV 24093 | 580 | | | | | | | | | |
| 181 | Y7 | CV 2351 | 739 | | | | | | | | | |
| 179 | Y8 | CV 2303 | 9610 | | | | | | | | | |
| 167 | Y42 | CV 24062 | 947 | | | | | | | | | |
| 171 | Y43 | 24071 | 556 | | | | | | | | | |
| 176 | Y44 | CV 2402 | 769 | | | | | | | | | |
| 150 | Y45 | 2422 | 1427 | | | | | | | | | |
| 150 | Y46 | CV 24029 | 1843 | | | | | | | | | |
| 177 | Y64 | 24019 | 989 | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

1-24-25 Chiquita Canyon Landfill Exceedances

| ID | lat | lon | ete | time | name | cmt | Grid # |
|---|---|---|---|---|---|---|---|
| 1 | 34.433159977197647 | -118.64884 | 421.196777 | 2025-01-24T15:39:04Z | Y1 | Ppm1159wellCV24080 | 165 |
| 2 | 34.433631962165236 | -118.647659 | 420.515625 | 2025-01-24T15:57:01Z | Y2 | Ppm5771wellCV24088 | 160 |
| 3 | 34.433533977717161 | -118.647948 | 422.51238999999998 | 2025-01-24T15:41:14Z | Y21 | Ppm1000wellcv24164 | 159 |
| 4 | 34.434283990412951 | -118.646062 | 427.74691799999999 | 2025-01-24T15:53:37Z | Y22 | Ppm3000welltd120dl75 | 149 |
| 5 | 34.433857016265392 | -118.648025 | 420.982147 | 2025-01-24T16:15:07Z | Y23 | Ppm1500wellcv2484 | 159 |
| 6 | 34.436319032683969 | -118.649894 | 420.43164100000001 | 2025-01-24T17:09:21Z | Y24 | Ppm1400wellcv2311 | 184 |
| 7 | 34.436251977458596 | -118.649653 | 419.84381100000002 | 2025-01-24T17:12:40Z | Y25 | Ppm1200well145td69ld48 | 184 |
| 8 | 34.431241024285555 | -118.65067 | 375.03784200000001 | 2025-01-24T18:44:36Z | Y26 | Ppm1000wellh103a | 215 |
| 9 | 34.431088976562023 | -118.650594 | 370.269836 | 2025-01-24T18:48:37Z | Y27 | Ppm1000Wellh1401w | 215 |
| 10 | 34.433817034587264 | -118.646235 | 423.79070999999999 | 2025-01-24T16:16:06Z | Y3 | Ppm1002wellCV24160 | 83 |
| 11 | 34.433867996558547 | -118.646328 | 423.74404900000002 | 2025-01-24T16:19:05Z | Y4 | Ppm558wellCHH1954S | 83 |
| 12 | 34.433272965252399 | -118.649361 | 414.71194500000001 | 2025-01-24T15:50:08Z | Y42 | 947Ppm well CV24068 | 167 |
| 13 | 34.43406798876822 | -118.64849 | 410.16787699999998 | 2025-01-24T16:04:50Z | Y43 | 556Ppm well 24071 | 171 |
| 14 | 34.436695966869593 | -118.649705 | 416.24215700000002 | 2025-01-24T17:30:51Z | Y44 | 769Ppm well cv2408 | 186 |
| 15 | 34.436503015458584 | -118.648827 | 415.59835800000002 | 2025-01-24T18:01:58Z | Y45 | 1427 Ppm well 2422 | 150 |
| 16 | 34.436361026018858 | -118.648501 | 410.895691 | 2025-01-24T18:07:41Z | Y46 | 1843 Ppm well cv24028 | 150 |
| 17 | 34.433816028758883 | -118.646566 | 422.34445199999999 | 2025-01-24T16:23:09Z | Y5 | Ppm699wellCV24159 | 155 |
| 18 | 34.434079974889755 | -118.646354 | 426.73919699999999 | 2025-01-24T16:26:12Z | Y6 | Ppm580wellCV24093 | 83 |
| 19 | 34.435821985825896 | -118.649779 | 426.49661300000002 | 2025-01-24T17:19:24Z | Y64 | PPM 989 Well CV24019 | 177 |
| 20 | 34.435154031962156 | -118.651154 | 389.29513500000002 | 2025-01-24T17:04:54Z | Y7 | Ppm739well2351 | 181 |
| 21 | 34.435414960607886 | -118.649664 | 404.784088 | 2025-01-24T17:16:40Z | Y8 | Ppm9610wellCV2303 | 179 |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Barchet |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 88 | 57.09 | 1-24-25 | | | | | | | | |
| 162 | 52.36 | | | | | | | | | |
| 146 | 34.28 | | | | | | | | | |
| 215 | 84.5 | | | | | | | | | |
| 213 | 28.41 | | | | | | | | | |
| 144 | 70.19 | | | | | | | | | |
| 197 | 27.19 | | | | | | | | | |
| 194 | 45.20 | | | | | | | | | |
| 96 | 50.30 | | | | | | | | | |
| 216 | 34.40 | | | | | | | | | |
| 217 | 47.9 | | | | | | | | | |
| 218 | 28.18 | | | | | | | | | |
| 221 | 78.36 | | | | | | | | | |
| 222 | 80.10 | | | | | | | | | |
| 223 | 34.28 | | | | | | | | | |
| 224 | 41.17 | | | | | | | | | |
| 226 | 38.61 | | | | | | | | | |
| 227 | 35.75 | | | | | | | | | |
| 228 | 102 | | | | | | | | | |
| 244 | 59.79 | | | | | | | | | |
| 243 | 78.27 | | | | | | | | | |
| 242 | 69.11 | ↓ | | | | | | | | |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR/2025 |
| Technician: | Stephen Burchett |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 241 | 67.62 | 1-24-25 | | | | | | | | |
| 240 | 65.5 | | | | | | | | | |
| 239 | 95.7 | | | | | | | | | |
| 238 | 34.9 | | | | | | | | | |
| 237 | 57.3 | | | | | | | | | |
| 250 | 50.40 | | | | | | | | | |
| 245 | 47.55 | | | | | | | | | |
| 246 | 26.73 | | | | | | | | | |
| 247 | 39.14 | | | | | | | | | |
| 248 | 41.15 | | | | | | | | | |
| 30 | 36.9 | | | | | | | | | |
| 84 | 37.6 | | | | | | | | | |
| 55 | 28.0 | | | | | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1st QTR 2025 | 1st QTR 2025 | |
| Technician: | Alberto Lopez | Jerry Munoz | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 159 | Y21 | CV24164 | 1000 | 1-24-25 | | 2-21-25 | 325 | | | | | |
| 149 | Y22 | MW00515 | 3000 | | | | 220 | | | | | |
| 159 | Y23 | CV24184 | 1500 | | | | 480 | | | | | |
| 184 | Y24 | CV2811 | 1400 | | | | 410 | | | | | |
| 184 | Y25 | MW00496 | 1200 | | | | 380 | | | | | |
| 165 | Y1 | CV24080 | 1159 | | | | 310 | | | | | |
| 160 | Y2 | CV24088 | 5771 | | | | 292 | | | | | |
| 83 | Y3 | CV24160 | 1002 | | | | 435 | | | | | |
| 83 | Y4 | CMW19545 | 558 | | | | 410 | | | | | |
| 155 | Y5 | CV24159 | 699 | | | | 410 | | | | | |
| 83 | Y6 | CV24093 | 580 | | | | 220 | | | | | |
| 181 | Y7 | CV2351 | 739 | | | | 410 | | | | | |
| 179 | Y8 | CV2303 | 9610 | | | | 370 | | | | | |
| 167 | Y42 | CV24068 | 947 | | | | 480 | | | | | |
| 171 | Y43 | 24071 | 556 | | | | 380 | | | | | |
| 186 | Y44 | CV2402 | 769 | | | | 270 | | | | | |
| 150 | Y45 | 2422 | 1427 | | | | 490 | | | | | |
| 150 | Y46 | CV24028 | 1843 | | | | 395 | | | | | |
| 177 | Y41 | 24019 | 989 | | | | 390 | | | | | |
| 215 | Y26 | MW03A | 1000 | | | | 400 | | | | | |
| 215 | Y27 | MW01W | 1000 | | | | 485 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA Canyon INSTRUMENT MAKE: THERMO

MODEL: TVA-1000 EQUIPMENT #: 23 SERIAL #: 1029845167

MONITORING DATE: 2-21-25 TIME: 0830

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.1 ppm | 6.5 ppm | 4.3 ppm |

Background Value = 4.3 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 500 ppm | 450 ppm | 7 |
| #2 | 503 ppm | 450 ppm | 6 |
| #3 | 499 ppm | 450 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 6.3 #DIV/0! Must be less than 30 seconds |

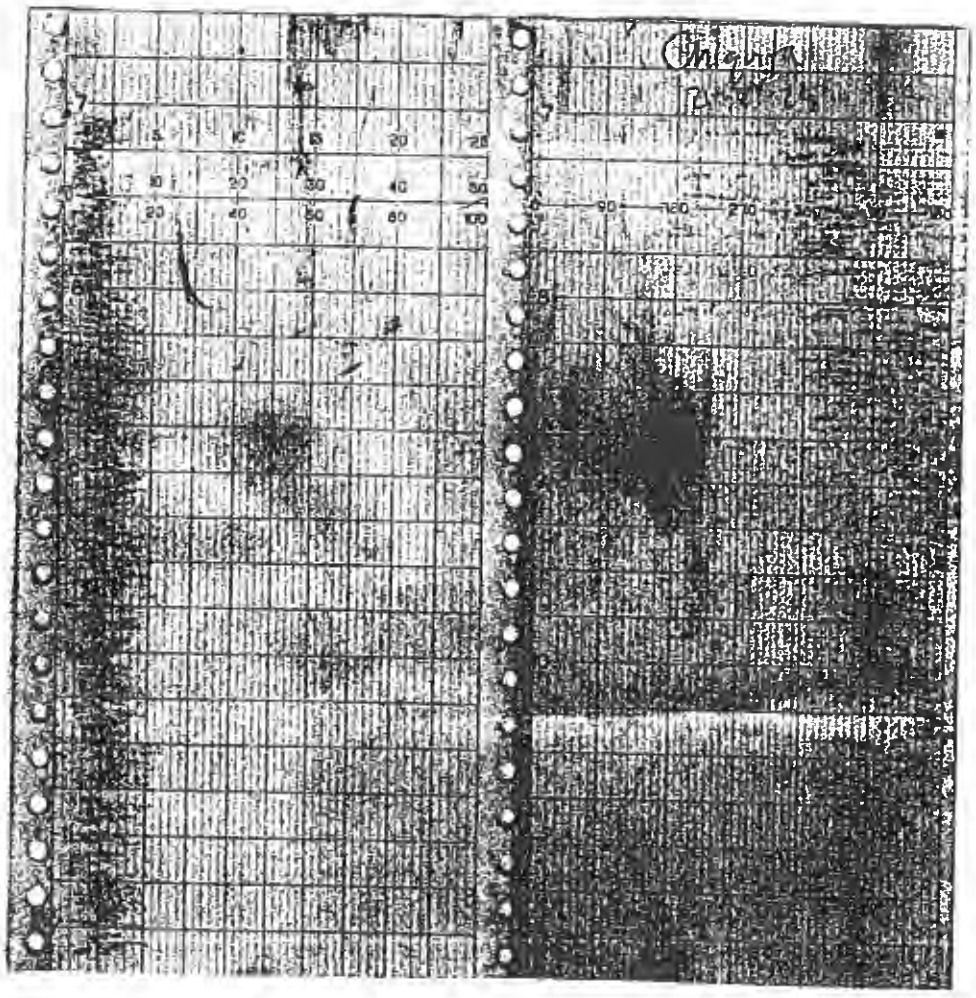
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.9 ppm | 500 ppm | 0 |
| #2 | 0.9 ppm | 503 ppm | 3 |
| #3 | 0.0 ppm | 499 ppm | 1 |
| Calculate Precision | [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | 0.2% #DIV/0! Must be less than 10% |

Performed By: J. Munoz Date/Time: 2-21-25 0830

# WIND SPEED & DIRECTION CHART ROLL



## Sunshine Canyon
## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1st QTR / 2025 |
| Technician: | Alberto Lopez |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 3 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 218 | Y41 | Surface | 506 | 1-29-25 | | | | | | | | |
| 99 | Y42 | [illegible] well | 6425 | | | | | | | | | |
| 194 | Y43 | CV24116 | 663 | | | | | | | | | |
| 159 | Y44 | CV2184 | 4834 | | | | | | | | | |
| 159 | Y45 | Surface | 924 | | | | | | | | | |
| 89 | Y61 | 27745 | 1280 | | | | | | | | | |
| 150 | Y46 | CV24112 | 509 | | | | | | | | | |
| 156 | Y47 | RAMSPOT | 551 | | | | | | | | | |
| 172 | Y62 | 24021 | 1082 | | | | | | | | | |

1-29-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43090298 | -118.647638 | 2025-01-29T16:17:58Z | Y41 | Ppm506 surface |
| 2 | 34.430805 | -118.647221 | 2025-01-29T16:26:19Z | Y42 | Ppm6429 unmarked |
| 3 | 34.43162802 | -118.645756 | 2025-01-29T16:43:18Z | Y43 | Ppm663 cv24116 |
| 4 | 34.43387303 | -118.648052 | 2025-01-29T17:36:39Z | Y44 | Ppm4834 cv2484 |
| 5 | 34.43400102 | -118.648016 | 2025-01-29T17:40:02Z | Y45 | Ppm924 surface |
| 6 | 34.43636798 | -118.648488 | 2025-01-29T18:32:11Z | Y46 | Ppm508 cv24028 |
| 7 | 34.43553197 | -118.648874 | 2025-01-29T18:42:56Z | Y47 | Ppm551 ramspo2 |
| 8 | 34.43258196 | -118.646699 | 2025-01-29T17:54:37Z | Y61 | Ppm1280grd178Well24021 |
| 9 | 34.43616103 | -118.649051 | 2025-01-29T18:35:06Z | Y62 | Ppm1082grd178well24021 |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1st QTR / 2025 | 1st Quarter 2025 | |
| Technician: | Alberto Lopez | D Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 PPM | 500 PPM | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 216 | Y41 | Surface | 506 | 1-29-25 | | 2/28/25 | 312 | | | | | |
| 99 | Y42 | unmarked well | 6429 | ↓ | | ↓ | 409 | | | | | |
| 194 | Y43 | CV24116 | 663 | | | | 210 | | | | | |
| 159 | Y44 | CV2484 | 4834 | | | | 464 | | | | | |
| 159 | Y45 | Surface | 924 | | | | 145 | | | | | |
| 89 | Y61 | 27743 | 1280 | | | | 330 | | | | | |
| 150 | Y46 | CV24028 | 508 | | | | 94.7 | | | | | |
| 156 | Y47 | ramirez | 551 | | | | 63.1 | | | | | |
| 178 | Y62 | 24021 | 1087 | ↓ | | ↓ | 131 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chicota INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: #6 SERIAL #: 0720723626

MONITORING DATE: 2-28-25 TIME: 0800

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 504 ppm
3. Adjust meter settings to read 500 ppm

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.16 ppm | 8.19 ppm | 6.6 ppm |

Background Value = 6.6 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 504 ppm | 450 ppm | 6 |
| #2 | 503 ppm | 450 ppm | 6 |
| #3 | 499 ppm | 450 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 6.3 #DIV/0! Must be less than 30 seconds |

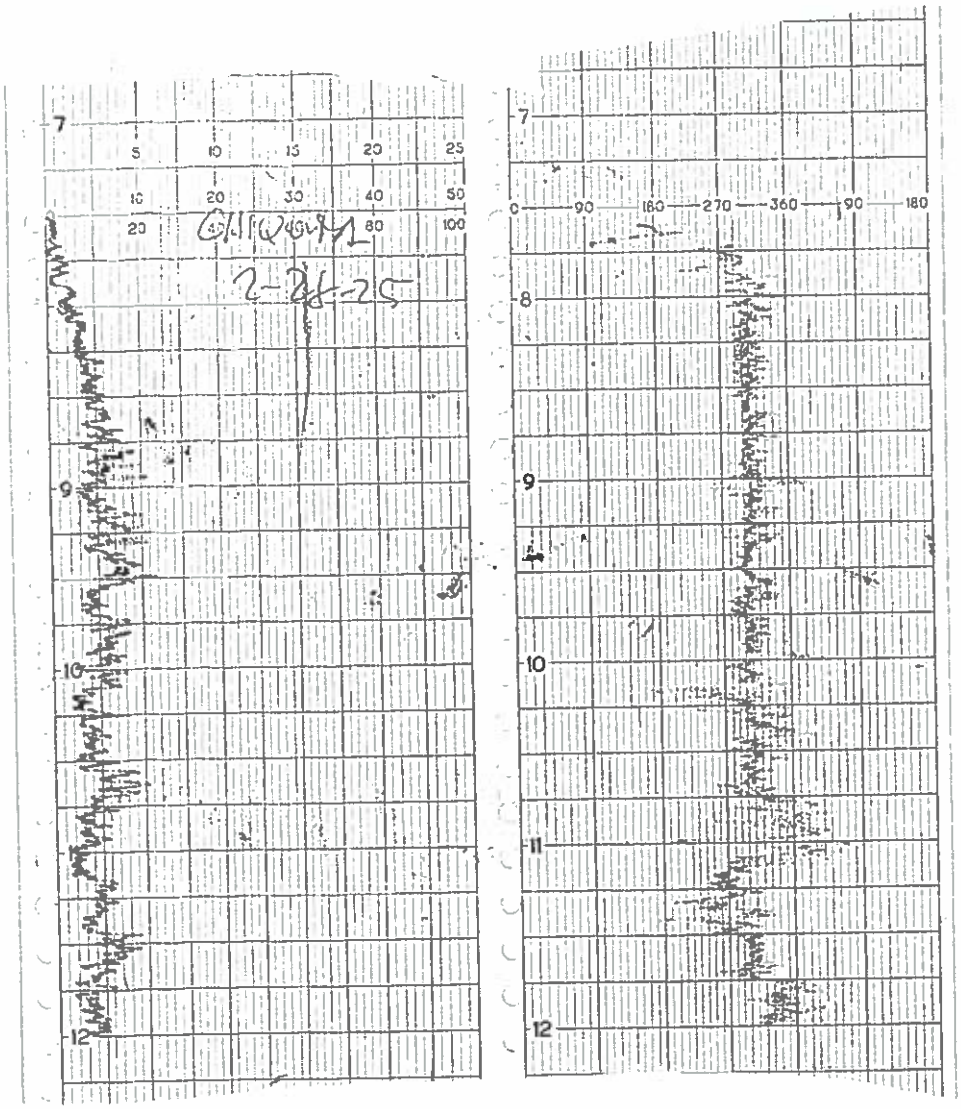
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.2 ppm | 509 ppm | 4 |
| #2 | 0.2 ppm | 503 ppm | 3 |
| #3 | 0.4 ppm | 499 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.5% #DIV/0! Must be less than 10% |

Performed By: D. Hammer Date/Time: 2-28-25 0800

# WIND SPEED & DIRECTION CHART ROLL



# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1st QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 79 | 28.22 | 1-30-25 | | | | | | | | |
| 76 | 27.57 | | | | | | | | | |
| 154 | 43.46 | | | | | | | | | |
| 82 | 36.16 | | | | | | | | | |
| 83 | 44.99 | | | | | | | | | |
| 155 | 53.40 | | | | | | | | | |
| 165 | 49.12 | | | | | | | | | |
| 90 | 34.67 | | | | | | | | | |
| 89 | 45.33 | | | | | | | | | |
| 212 | 26.30 | | | | | | | | | |
| 196 | 43.09 | | | | | | | | | |
| 215 | 99.46 | | | | | | | | | |
| 214 | 50.45 | | | | | | | | | |
| 162 | 58.09 | | | | | | | | | |
| 88 | 47.19 | | | | | | | | | |
| 194 | 99.40 | | | | | | | | | |
| 195 | 41.42 | | | | | | | | | |
| 197 | 66.99 | | | | | | | | | |
| 94 | 42.39 | | | | | | | | | |

Re-Monitoring

# CHIQUITA CANYON LANDFILL (1150.1)
## PERIMETER GAS MONITORING DATA SHEET

101

Date 1-30-25 Weather Conditions Clear

Technician Richard Johns Temp 67° F

GEM Model 5000 Wind Speed (MPH) & Direction 4 SW

Serial # GS00530 Barometric Pressure 29.57 in Hg

| Probe Number | Time | Date | CH4% (%LEL) | CO2% | O2% | Ba %L | Evac Pumps | Pressure (+in w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-12 - 12 | | | | | | | 4 | | |
| 38 | | | | | | | 26 | | |
| 74 | | | | | | | 50 | | |
| 110 | | | | | | | 75 | | |
| 224 | | | | | | | 171 | | |
| GP-13 - 10 | | | | | | | 6 | | First 10 clear |
| 29 | 0933 | 1-30-25 | 0.3 | 22.6 | 5.3 | 71.9 | 19 | -.26 | Recheck for |
| 58 | 0936 | | 28.9 | 29.2 | 0.2 | 41.7 | 39 | -1.0 | 1-20-25 |
| 87 | 0938 | | 26.1 | 12.6 | 1.0 | 60.3 | 59 | -.84 | Monitoring |
| 173 | 0941 | | 0.0 | 0.1 | 20.5 | 79.4 | 109 | -1.57 | |
| GP-14 - 10 | | | | | | | 6 | | |
| 23 | | | | | | | 15 | | |
| 44 | | | | | | | 30 | | |
| 67 | | | | | | | 45 | | |
| 134 | | | | | | | 92 | | |

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

RES Environmental Inc.

# GEM 5000 CALIBRATION

**TECHNICIAN:** ROBERT JOHNS

**CALIBRATION DATE:** 1/30/2025

**SITE:** CHIQUITA CANYON LANDFILL

**TIME:** 5:00AM

**GEM 5000 SERIAL #:** G500530

| | | UNCORRECTED READING | CORRECTED READING |
|---|---|---|---|
| $CH_4$ | 15% | 15% | 15% |
| $CO_2$ | 15% | 15% | 15% |
| $O_2$ | 4% | 4% | 4% |

865 Via Lata • Colton, California 92324 • (909) 422-1001 Fax (909) 422-0707

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR/2025 |
| Technician | Stephen Burchett |
| Instrument | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| B2 | 152 | 2-3-25 | | | | | | | | |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site Chiquita



| | | |
|---|---|---|
| Quarter / Year | 1ST QTR/2025 | 1st Quarter 2025 |
| Technician | Stephen Borchers | D Hernandez |
| Instrument | TVA1000 | TVA 1000 |
| Calibration Standard: | 25ppm | 25 PPM |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event - 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 82 | 152 | 2-3-25 | | 2/17/25 | 16,3 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA Canyon INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: #1 SERIAL #: 16320832

MONITORING DATE: 2-12-25 TIME: 0800

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.9 ppm | 7.2 ppm | 6.5 ppm |

Background Value = 6.5 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.2 ppm | 20 ppm | 6 |
| #2 | 25.0 ppm | 20 ppm | 6 |
| #3 | 24.5 ppm | 20 ppm | 6 |
| Calculate Response Time (1+2+3)/3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

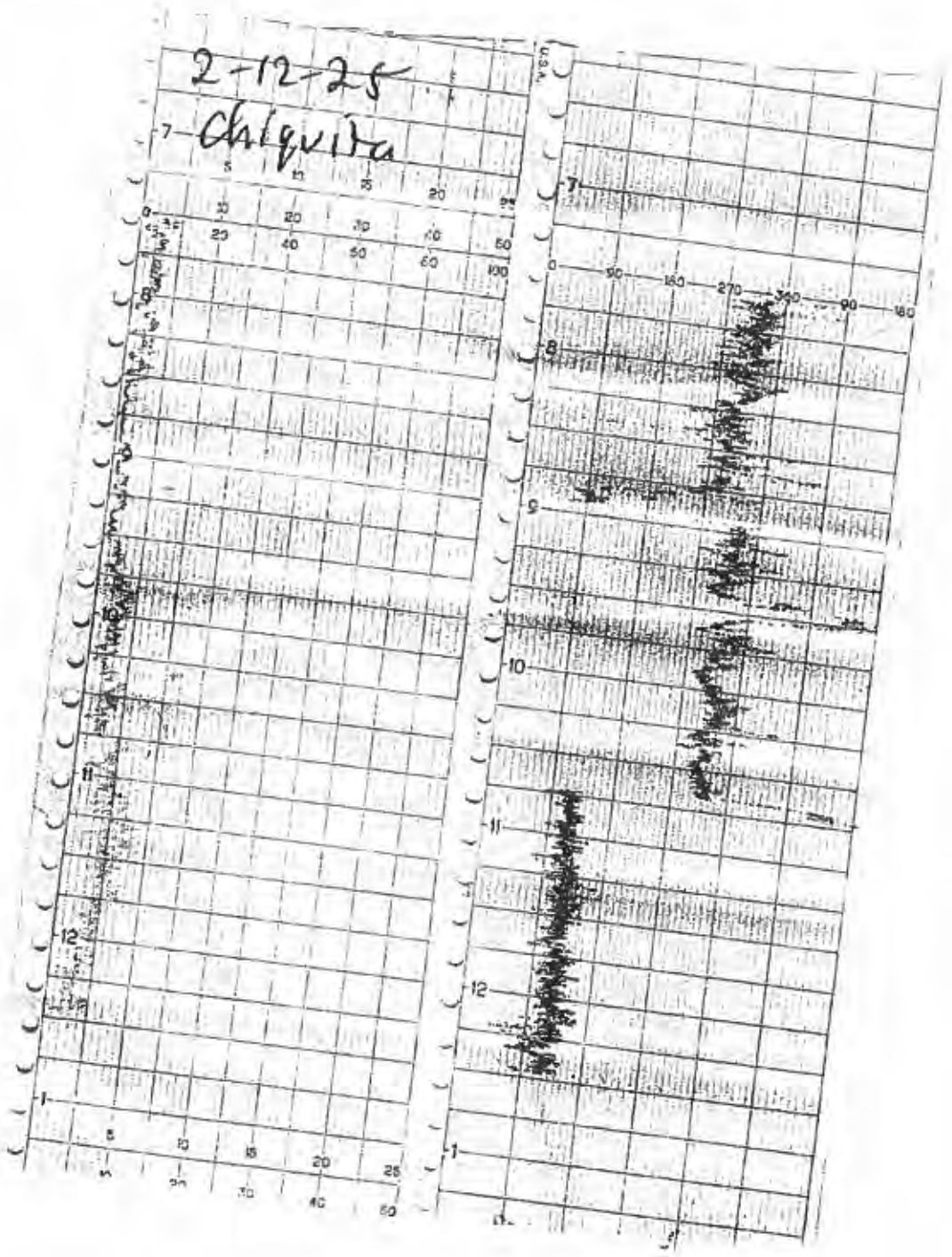
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.2 ppm | 24.2 ppm | .8 |
| #2 | 1.0 ppm | 25.0 ppm | 0 |
| #3 | 0.1 ppm | 24.5 ppm | .5 |
| Calculate Precision | [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | 1.3% #DIV/0! Must be less than 10% |

Performed By: D. Hernandez Date/Time: 2-12-25 0800

# WIND SPEED & DIRECTION CHART ROLL



# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm |
| 215 | 56.77 | 2-4-25 | | | | | | | | |
| 100 | 41.33 | ↓ | | | | | | | | |
| 231 | 26.7 | | | | | | | | | |
| 215 | 31.07 | | | | | | | | | |
| 220 | 48.93 | ✓ | | | | | | | | |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 1st Quarter 2025 |
| Technician | STephen Borthers | D Hernandez |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25 ppm | 25 PPM |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm |
| 215 | 56.77 | 2-4-25 | | 2/12/26 | 19.1 | | | | | |
| 100 | 41.33 | ↓ | | ↓ | 23.7 | | | | | |
| 231 | 26.7 | | | | 18.6 | | | | | |
| 215 | 31.07 | | | | 21.0 | | | | | |
| 220 | 48.93 | | | | 13.4 | | | | | |

RJES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA CANYON INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #1 SERIAL #: 16320832

MONITORING DATE: 2-12-25 TIME: 0500

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.9 ppm | 7.2 ppm | 6.5 ppm |

Background Value = 6.5 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.2 ppm | 20 ppm | 6 |
| #2 | 25.0 ppm | 20 ppm | 6 |
| #3 | 24.5 ppm | 20 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

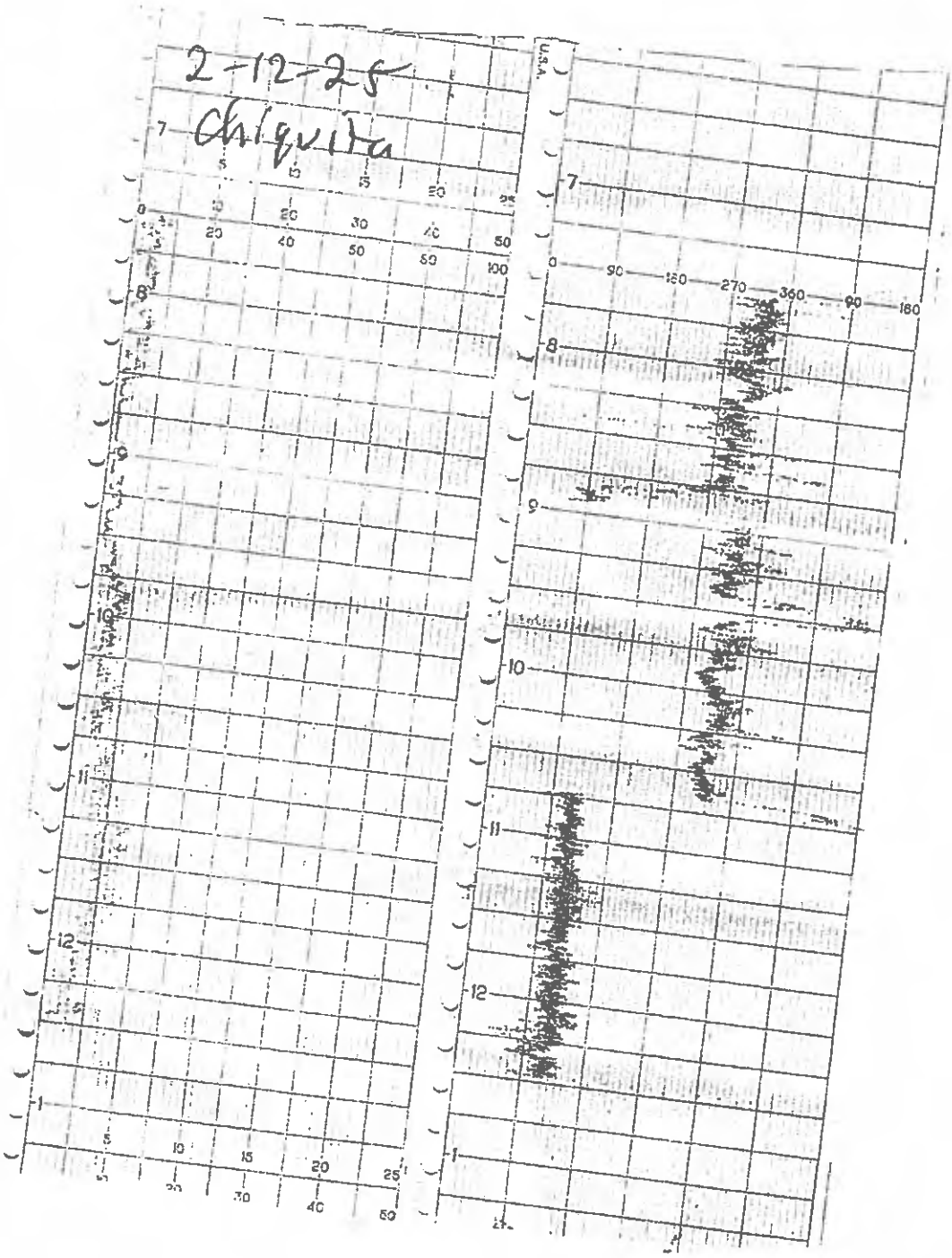
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.2 ppm | 24.2 ppm | .8 |
| #2 | 1.0 ppm | 25.0 ppm | 0 |
| #3 | 0.1 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 1.3% #DIV/0! Must be less than 10% |

Performed By W. HERNANDEZ Date/Time 2-12-25 0500

# WIND SPEED & DIRECTION CHART ROLL



# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1st QTR/2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 92 | 44.47 | 2-10-25 | | | | | | | | |
| 154 | 58.63 | | | | | | | | | |
| 159 | 92.57 | | | | | | | | | |
| 166 | 58.10 | | | | | | | | | |
| 165 | 42.92 | | | | | | | | | |
| 160 | 60.39 | | | | | | | | | |
| 197 | 95.27 | | | | | | | | | |
| 186 | 110 | | | | | | | | | |
| 183 | 27.72 | | | | | | | | | |
| 194 | 62.06 | | | | | | | | | |
| 185 | 56.07 | | | | | | | | | |
| 201 | 54.13 | | | | | | | | | |
| 175 | 87.79 | | | | | | | | | |
| 176 | 33.73 | | | | | | | | | |
| 66 | 27.53 | | | | | | | | | |
| 173 | 62.32 | | | | | | | | | |
| 174 | 60.35 | | | | | | | | | |
| 202 | 30.45 | | | | | | | | | |
| 205 | 26.85 | | | | | | | | | |
| 188 | 118 | | | | | | | | | |
| 153 | 26.35 | | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | 1ST QTR 2025 |
| Technician: | Stephen Borches | Alberto Lopez |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25 ppm | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd >25 ppm |
| 82 | 44.47 | 2-10-25 | | 2-19-25 | 21.69 | | | | | |
| 154 | 58.63 | | | | 19.32 | | | | | |
| 159 | 97.57 | | | | 24.36 | | | | | |
| 166 | 53.10 | | | | 10.21 | | | | | |
| 165 | 42.92 | | | | 18.69 | | | | | |
| 160 | 60.39 | | | | 23.44 | | | | | |
| 187 | 95.27 | | | | 22.99 | | | | | |
| 186 | 110 | | | | 24.63 | | | | | |
| 183 | 27.72 | | | | 21.32 | | | | | |
| 184 | 62.06 | | | | 12.61 | | | | | |
| 185 | 56.07 | | | | 15.42 | | | | | |
| 201 | 54.13 | | | | 11.19 | | | | | |
| 175 | 87.79 | | | | 9.16 | | | | | |
| 176 | 33.73 | | | | 21.33 | | | | | |
| 66 | 27.53 | | | | 10.63 | | | | | |
| 173 | 62.32 | | | | 19.43 | | | | | |
| 174 | 60.35 | | | | 21.11 | | | | | |
| 202 | 30.45 | | | | 23.66 | | | | | |
| 205 | 26.85 | | | | 8.33 | | | | | |
| 188 | 118 | | | | 23.69 | | | | | |
| 153 | 26.35 | | | | 10.10 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHICOPEE INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: #51 SERIAL #: 716611369

MONITORING DATE: 2-19-25 TIME: 0745

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.15 ppm | 7.35 ppm | 6.25 ppm |

Background Value = 6.25 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 25 ppm | 20 ppm | 6 |
| #2 | 24.1 ppm | 20 ppm | 6 |
| #3 | 24.3 ppm | 20 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

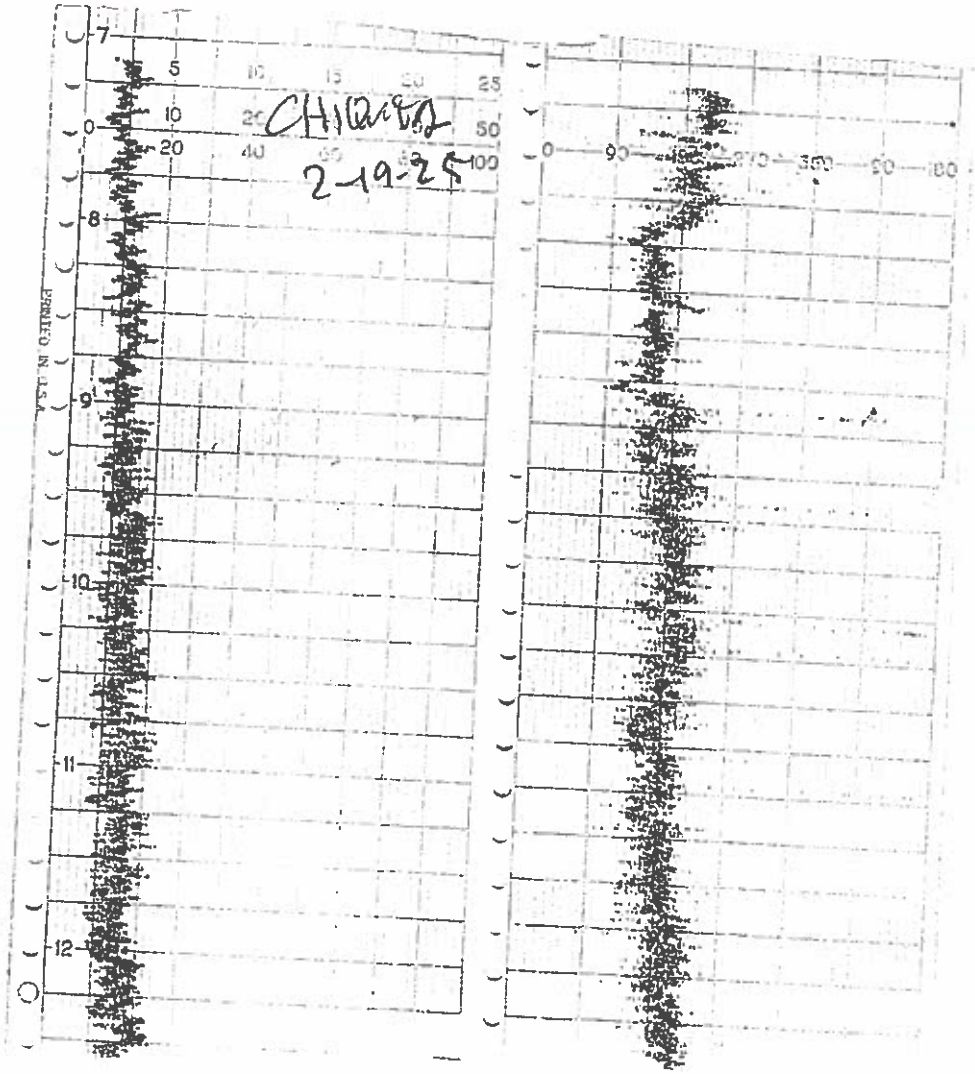
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.49 ppm | 25 ppm | 0 |
| #2 | 0.63 ppm | 24.1 ppm | .9 |
| #3 | 0.59 ppm | 24.3 ppm | .7 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 1.8% #DIV/0! Must be less than 10% |

Performed By: ALBERTO LOPEZ Date/Time: 2-19-25 / 0745

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1st QTR / 2025 | 1ST QTR 2025 | |
| Technician: | Michael ORue | Alberto Lopez | |
| Instrument: | TVA 1000 | TVA1000 | |
| Calibration Standard: | 500 ppm | 500ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 189 | Y1 | Surface | 560 | 2-10-25 | | 2-19-25 | 38.56 | | | | | |
| 239 | Y21 | well-H-2302C | 6000 | ↓ | | ↓ | 402 | | | | | |
| 239 | Y22 | well-H-2307S | 1400 | | | | 59.10 | | | | | |
| 238 | Y23 | well-EAB2N | 1300 | | | | 72.11 | | | | | |
| 33 | Y24 | well-CV2416C | 18000 | | | | 489 | | | | | |
| 33 | Y25 | well-H-2169C | 43000 | | | | 477 | | | | | |
| 33 | Y26 | well-CV1907 | 11000 | | | | 389 | | | | | |
| 180 | Y41 | Surface | 1282 | | | | 103 | | | | | |
| 180 | Y42 | well-2357 | 909 | | | | 74.21 | | | | | |
| 181 | Y43 | Surface | 525 | | | | 46.30 | | | | | |
| 220 | Y44 | Surface | 1283 | | | | 112 | | | | | |
| 32 | Y45 | well-2321 | 583 | | | | 207 | | | | | |
| 172 | Y82 | Surface | 556 | | | | 83.48 | | | | | |
| 157 | Y84 | Surface | 603 | | | | 42.50 | | | | | |
| 170 | Y101 | well-2450 | 5000 | | | | 406 | | | | | |
| 170 | Y102 | well-24058 | 804 | | | | 95.02 | | | | | |
| 171 | Y103 | well-TD-134 | 860 | | | | 326 | | | | | |
| 59 | Y104 | Surface | 560 | | | | 311 | | | | | |
| 153 | Y121 | well-CV2463 | 768 | | | | 269 | | | | | |
| 153 | Y122 | well-CV2473 | 756 | | | | 348 | | | | | |
| 154 | Y126 | well-CV24152 | 1547 | | | | 161 | | | | | |
| 229 | Y127 | well-24246 | 786 | ↓ | | ↓ | 276 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| Quarter / Year: | 1st QTR/2025 | 1ST QTR 2025 | |
|---|---|---|---|
| Technician: | Michael ORTIZ | ALBERTO LOPEZ | |
| Instrument: | TVA 1000 | TVA1000 | |
| Calibration Standard: | 500 ppm | 500PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 40 | Y128 | well-CV94 | 1007 | 2-10-25 | | 2-14-25 | 280 | | | | | |
| 40 | Y129 | well-CV2012 | 1783 | | | | 456 | | | | | |
| 175 | Y61 | well GX311 | 959 | | | | 80,42 | | | | | |
| 175 | Y62 | well RR-044 | 541 | | | | 39.74 | | | | | |
| 175 | Y63 | well CV2363 | 720 | | | | 104 | | | | | |
| 175 | Y64 | Surface | 2,563 | | | | 126 | | | | | |
| 175 | Y65 | well CV2342A | 16,347 | | | | 422 | | | | | |
| 174 | Y66 | well CV2339 | 40,096 | | | | 473 | | | | | |
| 174 | Y67 | well CV 2004 | 529 | | | | 199 | | | | | |
| 173 | Y68 | well EP-039 | 772 | | | | 77.01 | | | | | |
| 173 | Y69 | well RamsPos | 3,240 | | | | 363 | | | | | |
| 173 | Y70 | well CV-54D | 2,261 | | | | 267 | | | | | |
| 173 | Y71 | well EP-030 | 828 | | | | 29.09 | | | | | |
| 176 | Y72 | well EP-32 | 745 | | | | 70.61 | | | | | |
| 176 | Y73 | well CV1902A | 3,997 | | | | 305 | | | | | |
| 176 | Y74 | Surface | 770 | | | | 110 | | | | | |
| 176 | Y75 | Surface | 8,579 | | | | 443 | | | | | |
| 176 | Y76 | Surface | 10,169 | | | | 491 | | | | | |
| 176 | Y77 | Surface | 1,256 | | | | 69.77 | | | | | |
| 176 | Y78 | Surface | 801 | | | | 80.10 | | | | | |
| 241 | Y80 | well CV2425 | 1,521 | | | | 153 | | | | | |
| 241 | Y201 | well CV 2425 | 505 | | | | 83.97 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1st QTR / 2025 | 1ST QTR 2025 | |
| Technician: | Michael Ortiz | Alberto Lopez | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500 ppm | 500 PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 36 | Y202 | Surface well | 720 | 2-10-25 | | 2-19-25 | 84.06 | | | | | |
| 36 | Y203 | H1957-B | 1,196 | ↓ | | ↓ | 309 | | | | | |
| 54 | Y105 | H2166C | 1000 | ↓ | | ↓ | 173 | | | | | |

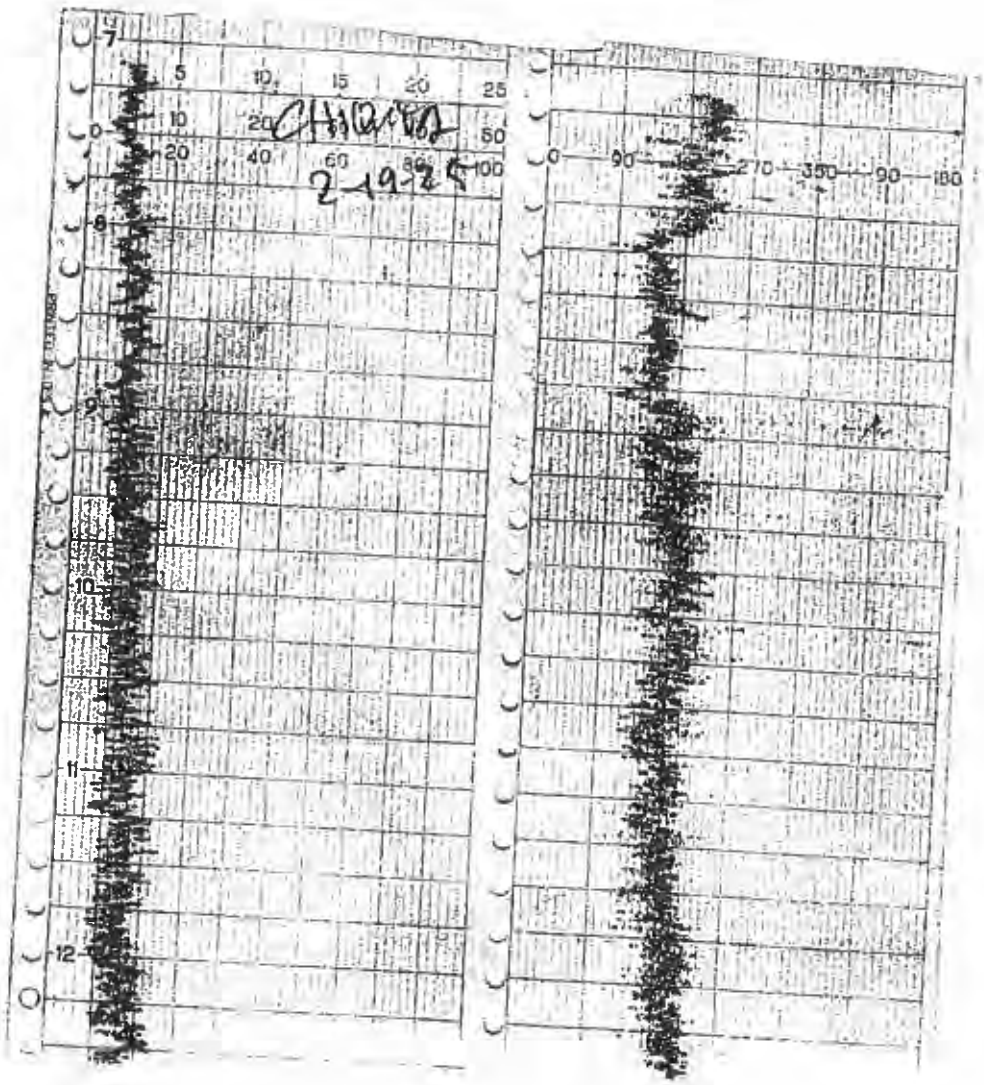
## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

**Site:** Chiquita

| | | | | |
|---|---|---|---|---|
| **Quarter / Year:** | 1ST QTR / 2025 | 1ST QTR 2025 | | Page 1 of 1 Pages |
| **Technician:** | Michael ORUE | ALBERTO LOPEZ | | |
| **Instrument:** | TVA 1000 | TVA 1000 | | |
| **Calibration Standard:** | 500 ppm | 500ppm | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 242 | B2 | Surface | 211 | 2-10-25 | | 2-19-25 | 26.02 | | |
| 178 | B41 | well- 2308 | 282 | | | | 99.56 | | |
| 181 | B42 | well- 2351 | 282 | | | | 129 | | |
| 220 | B43 | Surface | 425 | | | | 180 | | |
| 32 | B44 | well- 2168 | 283 | | | | 70.10 | | |
| 156 | B81 | Surface | 256 | | | | 138 | | |
| 172 | B83 | well- CV24038 | 277 | | | | 114 | | |
| 37 | B85 | Surface | 333 | | | | 173 | | |
| 154 | B123 | well- 2169 W | 212 | | | | 82.61 | | |
| 154 | B124 | well- CV24155 | 297 | | | | 171 | | |
| 154 | B125 | Surface | 429 | | | | 179 | | |
| 241 | B79 | Surface | 337 | | | | 133 | | |
| 241 | B200 | Surface | 456 | | | | 187 | | |

# WIND SPEED & DIRECTION CHART ROLL



# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Bernard |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 147 | 160 | 2-11-25 | | | | | | | | |
| 83 | 31.47 | | | | | | | | | |
| 90 | 46.30 | | | | | | | | | |
| 161 | 69.21 | | | | | | | | | |
| 163 | 45.38 | | | | | | | | | |
| 164 | 112 | | | | | | | | | |
| 209 | 67.14 | | | | | | | | | |
| 204 | 99.0 | | | | | | | | | |
| 207 | 31.28 | | | | | | | | | |
| 208 | 26.35 | | | | | | | | | |
| 190 | 85.32 | | | | | | | | | |
| 191 | 70.42 | | | | | | | | | |
| 192 | 30.25 | | | | | | | | | |
| 193 | 60.45 | | | | | | | | | |
| 88 | 31.15 | | | | | | | | | |
| 162 | 28.23 | | | | | | | | | |
| 195 | 40.22 | | | | | | | | | |
| 194 | 39.07 | | | | | | | | | |
| 96 | 61.17 | | | | | | | | | |
| 94 | 26.29 | | | | | | | | | |
| 218 | 31.01 | | | | | | | | | |
| 219 | 26.06 | ↓ | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 1ST QTR 2025 |
| Technician: | Stephen Barnes | JEREMY MUNOZ |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25ppm | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 147 | 160 | 2-11-25 | | 2-21-25 | 19.12 | | | | | |
| 83 | 31.47 | | | | 10.01 | | | | | |
| 90 | 46.30 | | | | 21.63 | | | | | |
| 161 | 69.21 | | | | 19.16 | | | | | |
| 163 | 45.38 | | | | 17.14 | | | | | |
| 164 | 112 | | | | 24.63 | | | | | |
| 209 | 67.14 | | | | 22.11 | | | | | |
| 204 | 99.0 | | | | 24.00 | | | | | |
| 207 | 31.28 | | | | 13.11 | | | | | |
| 208 | 26.35 | | | | 16.44 | | | | | |
| 190 | 85.32 | | | | 19.01 | | | | | |
| 191 | 76.42 | | | | 16.00 | | | | | |
| 192 | 30.25 | | | | 12.11 | | | | | |
| 193 | 60.45 | | | | 13.44 | | | | | |
| 98 | 31.15 | | | | 20.99 | | | | | |
| 162 | 28.23 | | | | 16.21 | | | | | |
| 195 | 40.23 | | | | 17.42 | | | | | |
| 194 | 39.07 | | | | 16.00 | | | | | |
| 96 | 61.17 | | | | 13.00 | | | | | |
| 99 | 26.29 | | | | 9.64 | | | | | |
| 218 | 31.01 | | | | 12.02 | | | | | |
| 219 | 26.06 | ↓ | | ↓ | 16.43 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: #33 SERIAL #: CCCC41015

MONITORING DATE: 2-21-25 TIME: 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.19 ppm | 7.33 ppm | 6.76 ppm |

Background Value = 6.76 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 25.0 ppm | 20 ppm | 5 |
| #2 | 25.0 ppm | 20 ppm | 6 |
| #3 | 24.5 ppm | 20 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 5.3 #DIV/0! Must be less than 30 seconds |

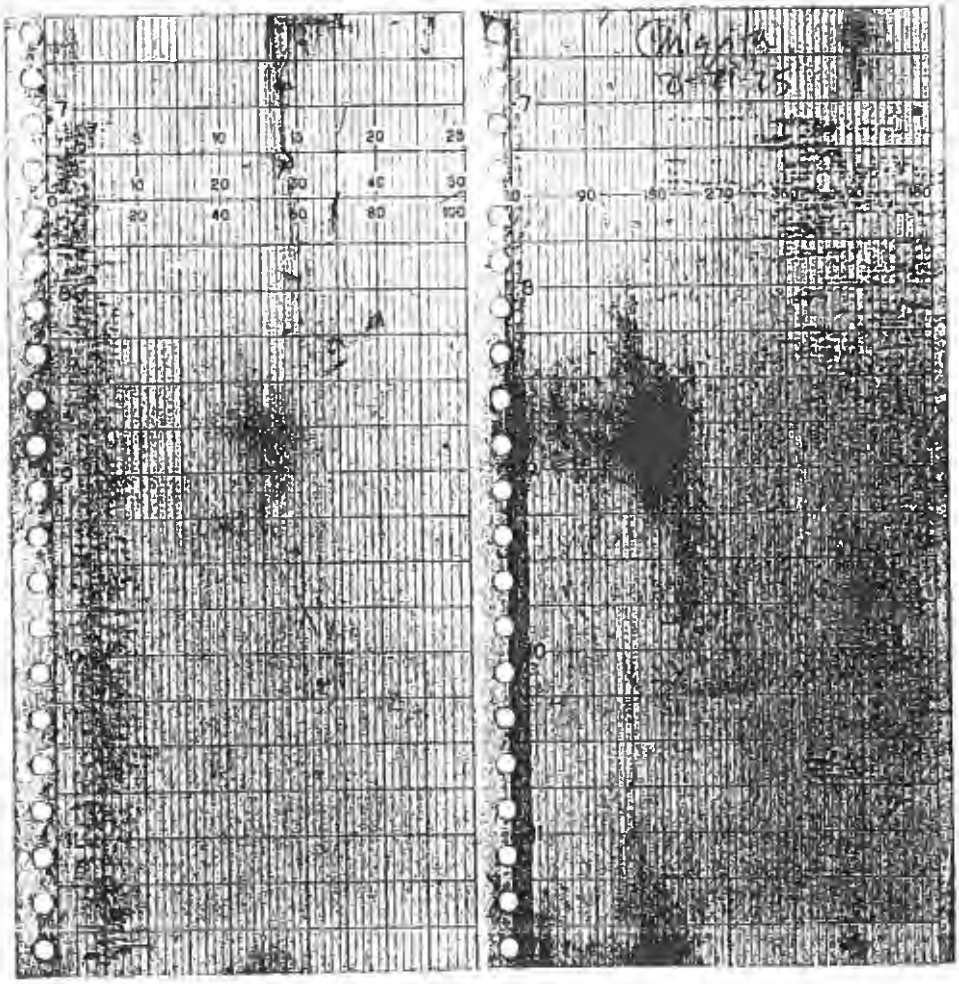
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 25.0 ppm | 0 |
| #2 | 1.0 ppm | 25.0 ppm | 0 |
| #3 | 0.0 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 0.6% #DIV/0! Must be less than 10% |

Performed By JERRY MUNOZ Date/Time 2-21-25 / 0700

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician | Stephen Borchers |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 56 | 30.07 | 2-12-25 | | | | | | | | |
| 57 | 43.23 | | | | | | | | | |
| 63 | 32.27 | | | | | | | | | |
| 60 | 50.19 | | | | | | | | | |
| 61 | 44.13 | | | | | | | | | |
| 33 | 31.34 | | | | | | | | | |
| 223 | 45.79 | | | | | | | | | |
| 67 | 70.37 | | | | | | | | | |
| 68 | 50.35 | | | | | | | | | |
| 100 | 50.26 | | | | | | | | | |
| 229 | 45.32 | | | | | | | | | |
| 103 | 32.02 | | | | | | | | | |
| 84 | 40.11 | | | | | | | | | |
| 85 | 113 | | | | | | | | | |
| 86 | 105 | | | | | | | | | |
| 98 | 101 | | | | | | | | | |
| 235 | 39.15 | | | | | | | | | |
| 234 | 48.18 | | | | | | | | | |
| 231 | 57.75 | | | | | | | | | |
| 230 | 48.03 | | | | | | | | | |
| 253 | 38.17 | | | | | | | | | |
| 233 | 33.40 | | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 1ST QTR 2025 |
| Technician: | Stephen Borchers | JEMY MUNOZ |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25 ppm | 25 PPM |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm |
| 56 | 30.07 | 2-12-25 | | 2-21-25 | 11.69 | | | | | |
| 57 | 43.23 | | | | 13.42 | | | | | |
| 63 | 32.27 | | | | 16.11 | | | | | |
| 60 | 50.19 | | | | 22.41 | | | | | |
| 61 | 44.13 | | | | 18.41 | | | | | |
| 33 | 31.34 | | | | 19.44 | | | | | |
| 223 | 45.79 | | | | 16.11 | | | | | |
| 67 | 70.37 | | | | 12.01 | | | | | |
| 68 | 52.35 | | | | 16.43 | | | | | |
| 100 | 50.26 | | | | 18.91 | | | | | |
| 229 | 45.32 | | | | 17.66 | | | | | |
| 103 | 32.02 | | | | 17.42 | | | | | |
| 94 | 40.11 | | | | 20.41 | | | | | |
| 95 | 113 | | | | 24.01 | | | | | |
| 96 | 105 | | | | 24.68 | | | | | |
| 99 | 101 | | | | 23.11 | | | | | |
| 235 | 39.15 | | | | 12.16 | | | | | |
| 234 | 43.18 | | | | 9.44 | | | | | |
| 231 | 57.75 | | | | 8.69 | | | | | |
| 230 | 48.03 | | | | 10.31 | | | | | |
| 253 | 38.17 | | | | 6.14 | | | | | |
| 233 | 33.40 | ↓ | | ↓ | 8.69 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: #33 SERIAL #: CC0004/1015

MONITORING DATE: 2-21-25 TIME: 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.19 ppm | 7.33 ppm | 6.76 ppm |

Background Value = 6.76 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 25.0 ppm | 20 ppm | 5 |
| #2 | 25.0 ppm | 20 ppm | 6 |
| #3 | 24.5 ppm | 20 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 5.3 #DIV/0! Must be less than 30 seconds |

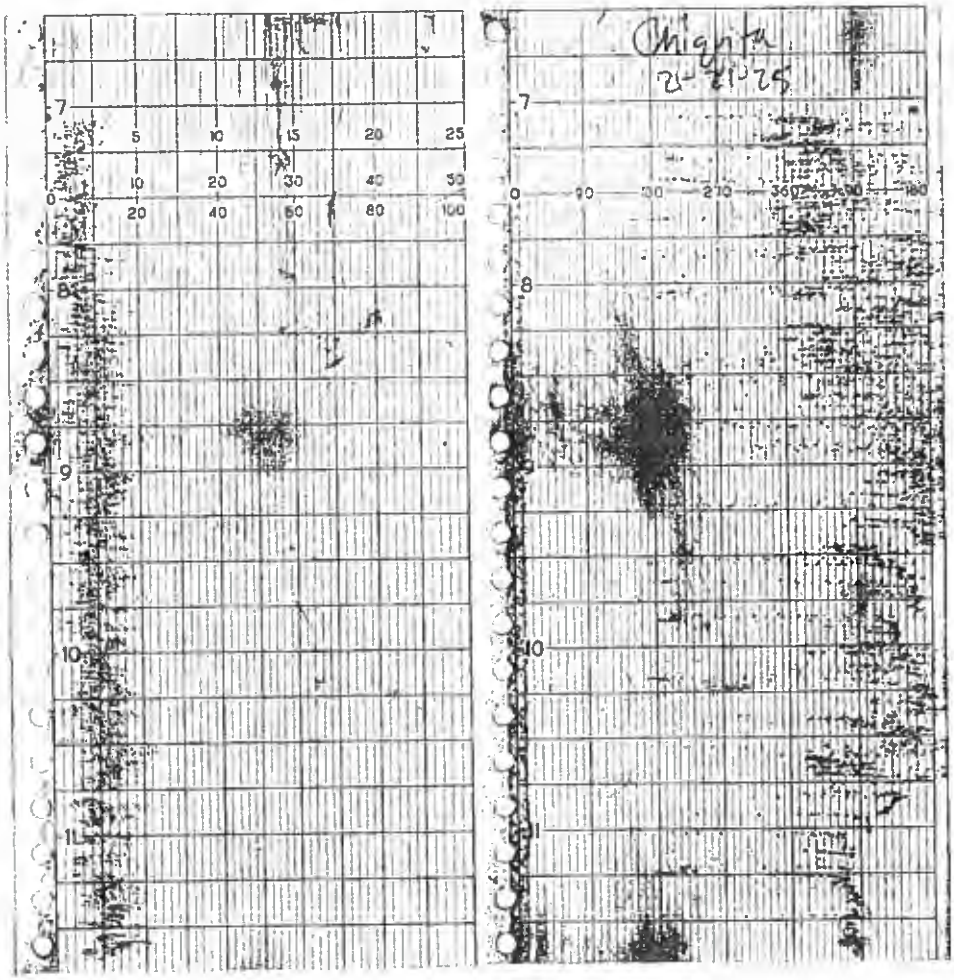
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 25.0 ppm | 0 |
| #2 | 1.0 ppm | 25.0 ppm | 0 |
| #3 | 0.0 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 0.6% #DIV/0! Must be less than 10% |

Performed By: JERRY MUNOZ Date/Time: 2-21-25 / 0700

# WIND SPEED & DIRECTION CHART ROLL



# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | 1ST QTR 2025 |
| Technician: | Stephen Borchers | TEDDY MUNOZ |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25ppm | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm |
| 175 | 31.80 | 2-18-25 | | 2-26-25 | 9.61 | | | | | |
| 76 | 44.30 | | | | 12.14 | | | | | |
| 150 | 21.56 | | | | 13.25 | | | | | |
| 191 | 107 | | | | 24.01 | | | | | |
| 192 | 141 | | | | 24.69 | | | | | |
| 193 | 81.16 | | | | 23.99 | | | | | |
| 200 | 28.03 | | | | 10.69 | | | | | |
| 172 | 50.56 | | | | 11.42 | | | | | |
| 170 | 39.17 | | | | 13.61 | | | | | |
| 171 | 31.30 | | | | 19.81 | | | | | |
| 160 | 32.47 | | | | 17.64 | | | | | |
| 165 | 39.29 | | | | 19.11 | | | | | |
| 167 | 41.75 | | | | 12.66 | | | | | |
| 81 | 31.8 | | | | 13.44 | | | | | |
| 82 | 29.2 | | | | 17.19 | | | | | |
| 154 | 59.55 | | | | 16.14 | | | | | |
| 155 | 40.24 | | | | 8.26 | | | | | |
| 159 | 99.21 | | | | 9.19 | | | | | |
| 166 | 59.40 | | | | 7.42 | | | | | |
| 204 | 82.34 | | | | 19.00 | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHICOTA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 23 SERIAL #: 1029845167

MONITORING DATE: 2-26-25 TIME: 0800

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.19 ppm | 8.31 ppm | 7.25 ppm |

Background Value = 7.25 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25.0 ppm | 20 ppm | 6 |
| #3 | 24.5 ppm | 20 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

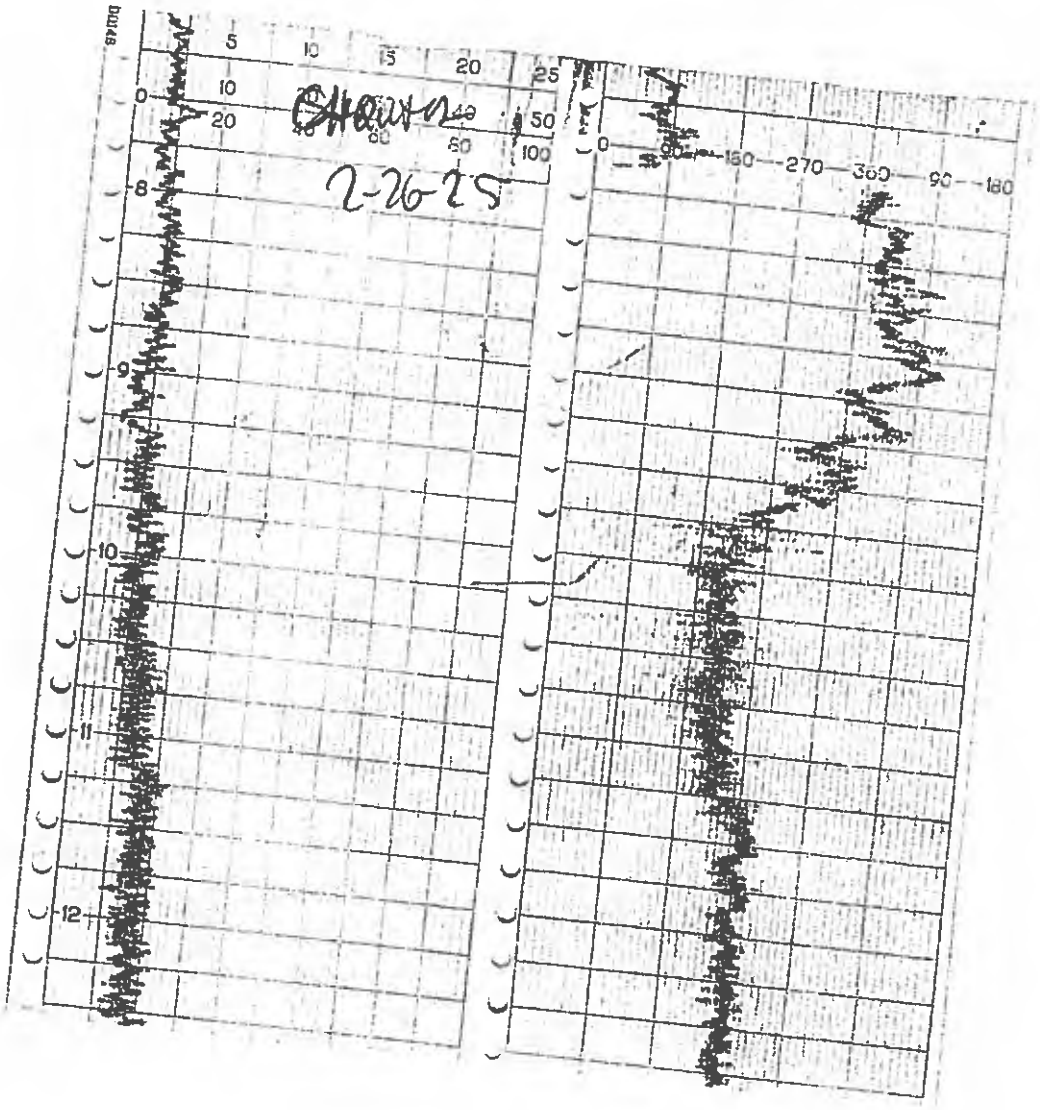
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 1.0 ppm | 25.0 ppm | 0 |
| #3 | 0.0 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 1.8% #DIV/0! Must be less than 10% |

Performed By: Jimmy Munoz Date/Time 2-26-25 0800

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Barch Jr. |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 212 | 29.26 | 2-19-25 | | | | | | | | |
| 211 | 28.70 | | | | | | | | | |
| 214 | 8 6.11 | | | | | | | | | |
| 217 | 40.31 | | | | | | | | | |
| 96 | 47.15 | | | | | | | | | |
| 207 | 27.95 | | | | | | | | | |
| 206 | 45.29 | | | | | | | | | |
| 223 | 26.37 | | | | | | | | | |
| 224 | 28.16 | | | | | | | | | |
| 225 | 33.13 | | | | | | | | | |
| 220 | 33.5 | | | | | | | | | |
| 215 | 32.1 | | | | | | | | | |
| 194 | 36.20 | | | | | | | | | |
| 222 | 30.04 | | | | | | | | | |
| 221 | 28.69 | | | | | | | | | |
| 229 | 26.23 | | | | | | | | | |
| 243 | 26.37 | | | | | | | | | |
| 242 | 27.35 | | | | | | | | | |
| 233 | 27.81 | | | | | | | | | |
| 234 | 34.37 | | | | | | | | | |
| 238 | 31.6 | | | | | | | | | |
| 246 | 121 | | | | | | | | | |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR/2025 |
| Technician: | Stephen Borchers |
| Instrument | TVA 1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event - 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm |
| 247 | 35.40 | 2-19-25 | | | | | | | | |
| 248 | 41.87 | ↓ | | | | | | | | |
| 93 | 33.33 | | | | | | | | | |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 1ST QTR 2025 |
| Technician: | Stephen Barcus Jr. | JENNY MUNOZ |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard | 25 ppm | 25 PPM |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 212 | 29.26 | 2-19-25 | | 2-26-25 | 19.36 | | | | | |
| 211 | 28.70 | | | | 10.01 | | | | | |
| 214 | 16.11 | | | | 13.14 | | | | | |
| 217 | 40.31 | | | | 23.66 | | | | | |
| 96 | 47.15 | | | | 24.19 | | | | | |
| 207 | 27.95 | | | | 19.69 | | | | | |
| 206 | 45.29 | | | | 12.34 | | | | | |
| 223 | 26.37 | | | | 17.42 | | | | | |
| 224 | 28.16 | | | | 19.20 | | | | | |
| 225 | 33.13 | | | | 18.16 | | | | | |
| 220 | 33.5 | | | | 16.14 | | | | | |
| 215 | 32.1 | | | | 13.11 | | | | | |
| 194 | 36.20 | | | | 22.68 | | | | | |
| 222 | 30.04 | | | | 23.19 | | | | | |
| 221 | 28.69 | | | | 9.86 | | | | | |
| 229 | 26.23 | | | | 8.21 | | | | | |
| 243 | 26.37 | | | | 10.00 | | | | | |
| 242 | 27.35 | | | | 16.94 | | | | | |
| 233 | 27.81 | | | | 16.98 | | | | | |
| 234 | 34.37 | | | | 8.91 | | | | | |
| 238 | 31.6 | | | | 10.99 | | | | | |
| 246 | 121 | | | | 11.26 | | | | | |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | 1ST QTR 2025 |
| Technician | Stephen Borchers | JERRY MUNOZ |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25ppm | 25 PPM |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm |
| 247 | 35.40 | 2-19-25 | | 2-26-25 | 19.61 | | | | | |
| 248 | 41.67 | ↓ | | ↓ | 15.42 | | | | | |
| 93 | 33.33 | ↓ | | ↓ | 13.19 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 23 SERIAL #: 1029845167

MONITORING DATE: 2-26-25 TIME: 0800

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.19 ppm | 8.31 ppm | 7.25 ppm |

Background Value = 7.25 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25.0 ppm | 20 ppm | 6 |
| #3 | 24.5 ppm | 20 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

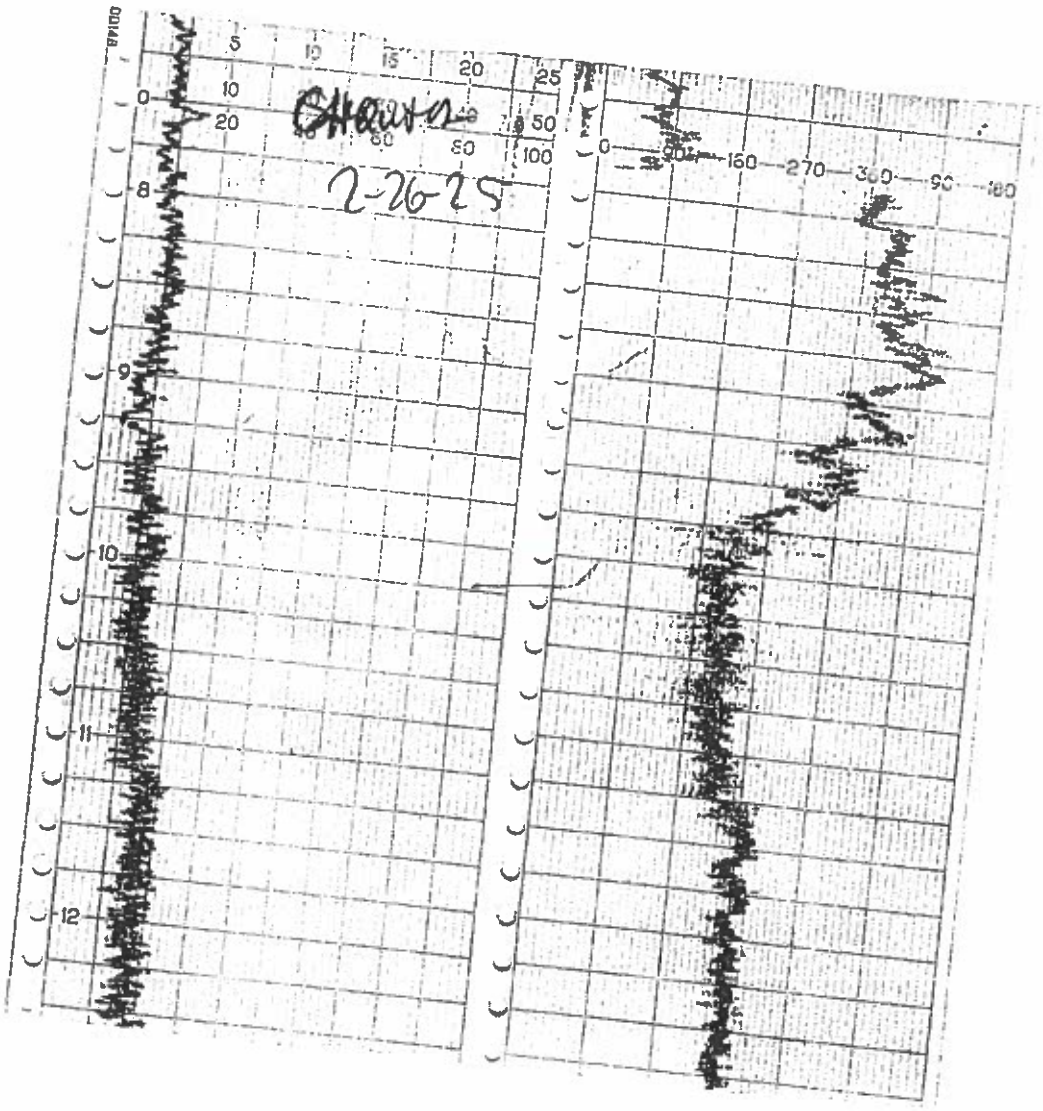
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 1.0 ppm | 25.0 ppm | 0 |
| #3 | 0.0 ppm | 24.5 ppm | .5 |
| Calculate Precision | [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | 1.8% #DIV/0! Must be less than 10% |

Performed By: Jeffy Munoz Date/Time: 2-26-25 0800

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Cimarron



| | | | |
|---|---|---|---|
| Quarter / Year: | 1st QTR / 2025 | 1st Quarter 2025 | |
| Technician: | Alberto Lopez | D Hernandez | |
| Instrument: | TVA 1022 | TVA 1000 | |
| Calibration Standard: | 500 PPM | 500PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 160 | Y63 | CV24169 | 24,000 | 2-21-25 | | 2/28/25 | 473 | | | | | |
| 165 | Y64 | TD1652D84 | 3,000 | | | | 401 | | | | | |
| 165 | Y65 | CV24080 | 1,400 | | | | 454 | | | | | |
| 171 | Y66 | CV2302 | 3,000 | | | | 379 | | | | | |
| 158 | Y67 | CV2328 | 2,200 | | | | 400 | | | | | |
| 154 | Y42 | M-2169W | 720 | | | | 260 | | | | | |
| 154 | Y43 | CV2312 | 527 | | | | 95.4 | | | | | |
| 154 | Y44 | CV24152 | 800 | | | | 221 | | | | | |
| 153 | Y45 | CV24151 | 1,200 | | | | 410 | | | | | |
| 153 | Y46 | CV24074 | 600 | | | | 64.1 | | | | | |
| 153 | Y47 | surface | 1,700 | | | | 137 | | | | | |
| 153 | Y48 | CV2463 | 850 | | | | 88.7 | | | | | |
| 151 | Y49 | CV24048 | 520 | | | | 32.1 | | | | | |
| 152 | Y50 | unmarkedwell | 720 | | | | 47.8 | | | | | |
| 153 | Y51 | CV2473 | 507 | | | | 13.8 | | | | | |
| 172 | Y2 | well-2445 | 1,400 | | | | 431 | | | | | |
| 178 | Y6 | CV2308 | 959 | | | | 399 | | | | | |
| 166 | Y21 | CV2484 | 1,345 | | | | 297 | | | | | |
| 166 | Y22 | H1565C | 1,267 | | | | 177 | | | | | |
| 166 | Y23 | CV24071 | 5,321 | | | | 490 | | | | | |
| 166 | Y24 | H17545 | 3,800 | | | | 443 | | | | | |
| 166 | Y25 | CV24070 | 2,787 | | | | 179 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1st QTR / 2025 |
| Technician: | Alberto Lopez |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 1666 | Y26 | unmarked well | 10,000 | 2-21-25 | | 2/28/25 | 182 | | | | | |
| 1666 | Y27 | CV24083 | 3,306 | ↓ | | ↓ | 477 | | | | | |
| 1666 | Y28 | CV24082 | 11,463 | | | | 272 | | | | | |
| 1666 | Y29 | CV24081 | 10,071 | | | | 167 | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita

| | | | |
|---|---|---|---|
| Quarter / Year: | 1st Qtr / 2025 | 1st Quarter 2025 | Page 1 of 1 Pages |
| Technician: | Alberto Lopez | D Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 PPM | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 172 | B1 | well CV24038 | 253 | 2-21-25 | | 2/28/25 | 73.9 | | |
| 171 | B21 | well 2461 | 461 | | | | 179 | | |
| 159 | B3 | well CV2472 | 220 | | | | 24.3 | | |
| 159 | B4 | Surface | 201 | | | | 11.9 | | |
| 159 | B5 | surface | 216 | | | | 17.8 | | |

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## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: #6 SERIAL #: 0720723626

MONITORING DATE: 2-28-25 TIME: 0800

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 504 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.16 ppm | 8.19 ppm | 6.6 ppm |

Background Value = 6.6 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 504 ppm | 450 ppm | 6 |
| #2 | 503 ppm | 450 ppm | 6 |
| #3 | 499 ppm | 450 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 6.3 #DIV/0! Must be less than 30 seconds |

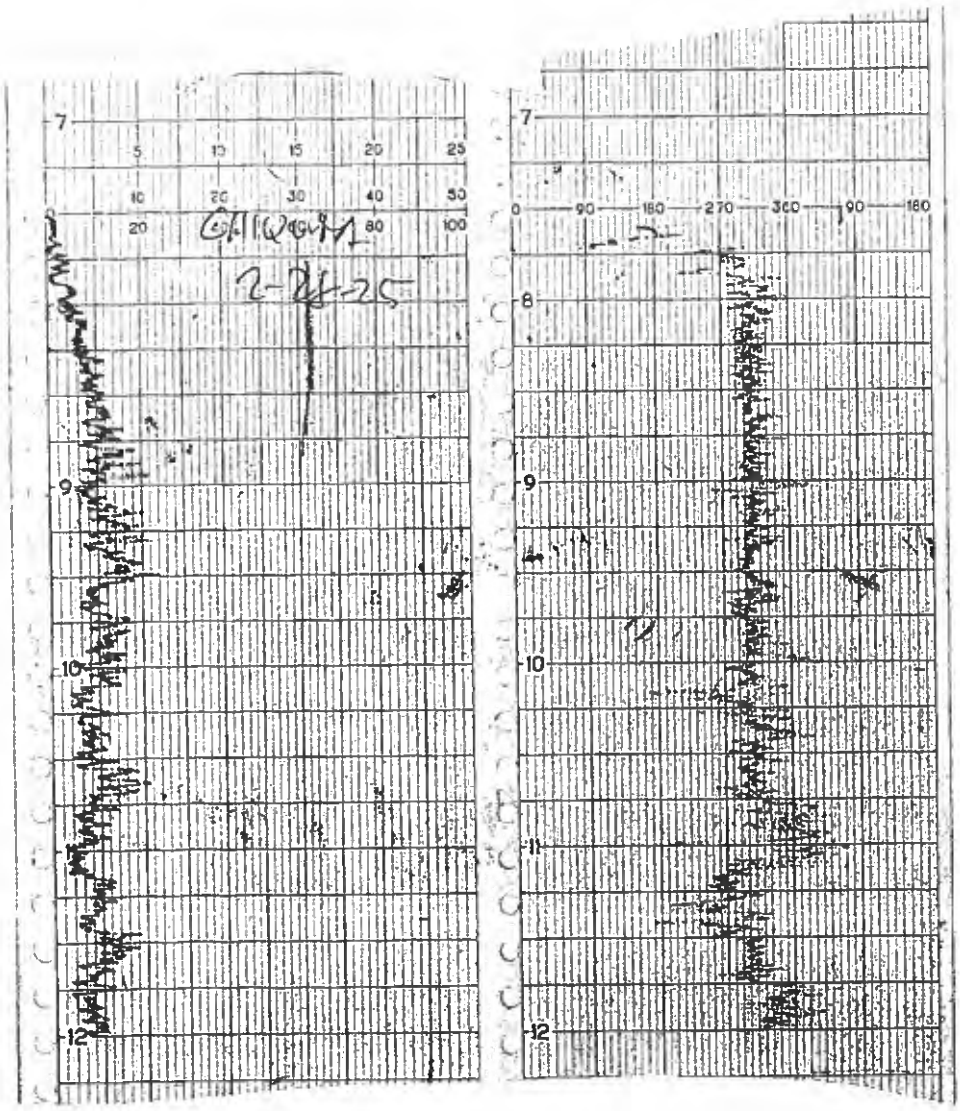
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.2 ppm | 509 ppm | 4 |
| #2 | 0.2 ppm | 503 ppm | 3 |
| #3 | 0.4 ppm | 499 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.5% #DIV/0! Must be less than 10% |

Performed By: D. Hernandez Date/Time: 2-28-25 0800

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1st QTR / 2025 | 1st Quarter 2025 | |
| Technician | Alberto Lopez | D Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 160 | Y63 | CV24169 | 24,000 | 2-21-25 | | 3/20/25 | 5.9 | | | | | |
| 165 | Y64 | TD1652024 | 3,000 | | | | 25.1 | | | | | |
| 165 | Y65 | CV24080 | 1,400 | | | | 25.1 | | | | | |
| 171 | Y66 | CV2302 | 3,000 | | | | 11.9 | | | | | |
| 158 | Y67 | CV2328 | 2,200 | | | | 11.3 | | | | | |
| 154 | Y42 | H-2169W | 720 | | | | 7.1 | | | | | |
| 154 | Y43 | CV2312 | 527 | | | | 8.8 | | | | | |
| 154 | Y44 | CV24152 | 800 | | | | 9.3 | | | | | |
| 153 | Y45 | CV24151 | 1,200 | | | | 8.4 | | | | | |
| 153 | Y46 | CV24074 | 600 | | | | 11.4 | | | | | |
| 153 | Y47 | surface | 1,700 | | | | 9.6 | | | | | |
| 153 | Y48 | CV2463 | 850 | | | | 7.6 | | | | | |
| 151 | Y49 | CV24048 | 520 | | | | 6.1 | | | | | |
| 152 | Y50 | unmarked well | 720 | | | | 8.1 | | | | | |
| 153 | Y51 | CV2473 | 567 | | | | 7.5 | | | | | |
| 172 | Y2 | well-2445 | 1,400 | | | | 12.3 | | | | | |
| 178 | Y6 | CV2308 | 959 | | | | 15.0 | | | | | |
| 166 | Y21 | CV2484 | 1,345 | | | | 27.5 | | | | | |
| 166 | Y22 | H1565C | 1,207 | | | | 58.6 | | | | | |
| 166 | Y23 | CV24071 | 5,321 | | | | 125 | | | | | |
| 166 | Y24 | H1754S | 3,800 | | | | 210 | | | | | |
| 166 | Y25 | CV24070 | 2,787 | | | | 108 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1st QTR/ 2025 | 15 Qtr 2025 | |
| Technician: | Alberto Lopez | UNAVAILABLE | |
| Instrument: | TVA 1000 | TVA1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 1666 | Y26 | unmarked well | 10,060 | 2-21-25 | | 3/20/25 | 101 | | | | | |
| 1666 | Y27 | CV24083 | 3,306 | 1 | | | 136 | | | | | |
| 1666 | Y28 | CV24082 | 11,463 | | | | 97.7 | | | | | |
| 1666 | Y29 | CV24081 | 10,071 | ⩔ | | | 39.9 | | | | | |

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Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 3-20-25 TIME: 0700

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.6 ppm | 3.9 ppm | 3.2 ppm |

Background Value = 3.2 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 501 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 6 |
| #3 | 501 ppm | 450 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

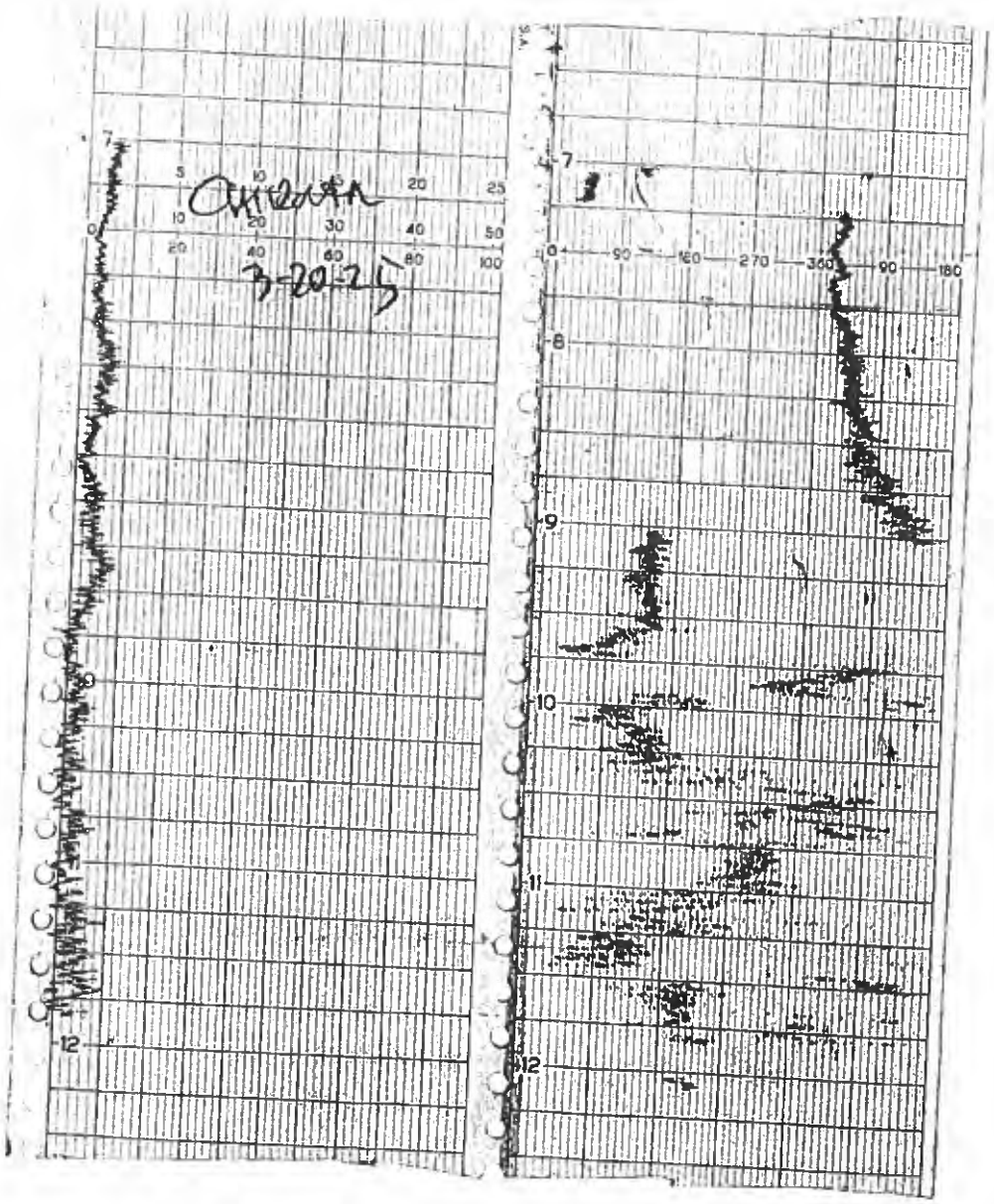
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.49 ppm | 501 ppm | 1 |
| #2 | 0.51 ppm | 501 ppm | 1 |
| #3 | 0.50 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.2 #DIV/0! Must be less than 10% |

Performed By: D. Hernandez Date/Time 0700

# WIND SPEED & DIRECTION CHART ROLL



# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Bradley |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 53 | 93.47 | 2-24-25 | | | | | | | | |
| 148 | 35.17 | | | | | | | | | |
| 153 | 26.93 | | | | | | | | | |
| 175 | 58.72 | | | | | | | | | |
| 174 | 66.37 | | | | | | | | | |
| 169 | 53.89 | | | | | | | | | |
| 182 | 30.21 | | | | | | | | | |
| 150 | 47.90 | | | | | | | | | |
| 176 | 25.10 | | | | | | | | | |
| 159 | 72.37 | | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 1st QTR / 2025 |
| Technician: | Stephen Sanchez | Gerardo Munoz |
| Instrument: | TVA 1000 | TVA 100V |
| Calibration Standard: | 25ppm | 25 PPM |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 53 | 93.47 | 2-24-25 | | 3-5-25 | 21.80 | | | | | |
| 148 | 25.17 | | | | 16.25 | | | | | |
| 153 | 26.93 | | | | 23.50 | | | | | |
| 175 | 58.72 | | | | 7.81 | | | | | |
| 174 | 66.37 | | | | 14.07 | | | | | |
| 169 | 53.89 | | | | 24.08 | | | | | |
| 182 | 30.21 | | | | 22.07 | | | | | |
| 150 | 47.90 | | | | 23.09 | | | | | |
| 176 | 25.10 | | | | 10.48 | | | | | |
| 159 | 72.37 | | | | 18.04 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chicota INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: #12 SERIAL #: 1036246741

MONITORING DATE: 3-5-25 TIME: 0700

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.1 ppm | 4.5 ppm | 3.3 ppm |

**Background Value = 3.3 ppm**

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 25.0 ppm | 20 ppm | 6 |
| #2 | 25.0 ppm | 20 ppm | 5 |
| #3 | 25.5 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

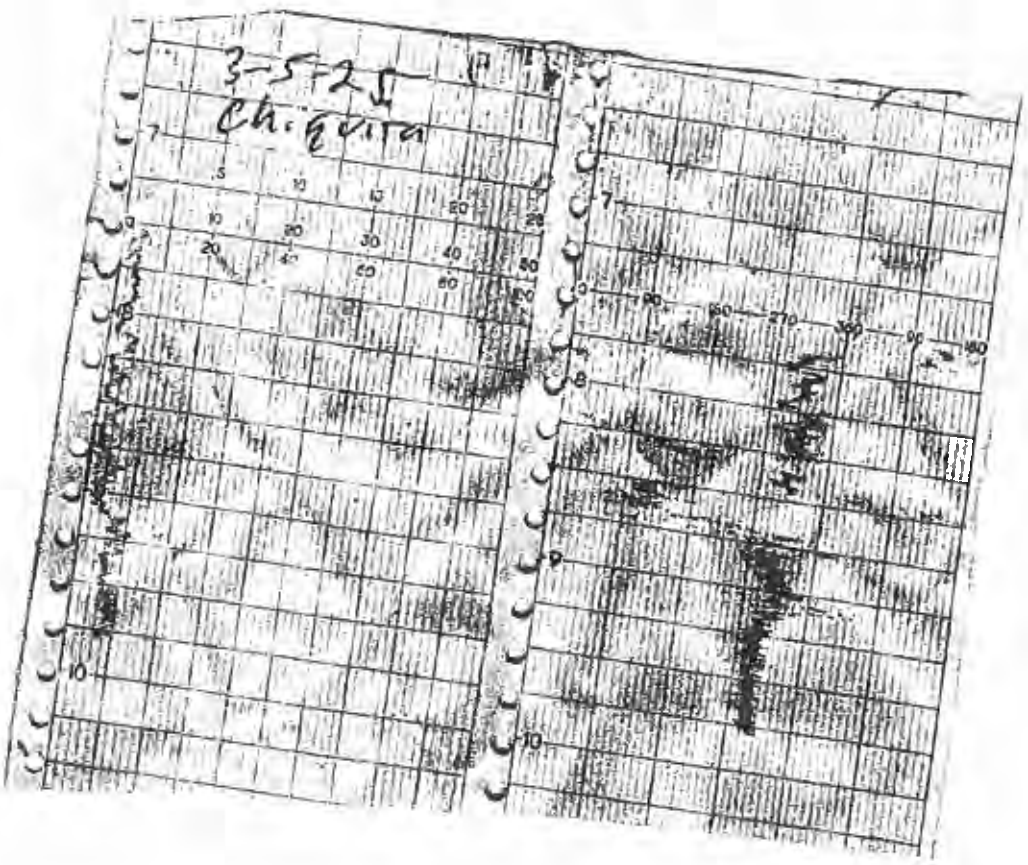
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.49 ppm | 25 ppm | 0 |
| #2 | 0.59 ppm | 25 ppm | 0 |
| #3 | 0.52 ppm | 25.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 0.6 #DIV/0! Must be less than 10% |

Performed By: J. Mund Date/Time: 3-5-25 0700

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR/2025 |
| Technician: | Stephen Borders |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 179 | 40.30 | 2-25-25 | | | | | | | | |
| 197 | 80.45 | ↓ | | | | | | | | |
| 167 | 61.19 | ↓ | | | | | | | | |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | 1st Qtr. / 2025 |
| Technician: | Stephen Borchers | Crew Jo Manor |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25 ppm | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 179 | 40.30 | 2-25-25 | | 3-5-25 | 23.06 | | | | | |
| 197 | 80.45 | ↓ | | ↓ | 17.09 | | | | | |
| 167 | 61.19 | ↓ | | ↓ | 22.05 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHICOPEE INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #12 SERIAL #: 1036246741

MONITORING DATE: 3-5-25 TIME: 0700

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.1 ppm | 4.5 ppm | 3.3 ppm |

**Background Value = 3.3 ppm**

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 25.0 ppm | 20 ppm | 6 |
| #2 | 25.0 ppm | 20 ppm | 5 |
| #3 | 25.5 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

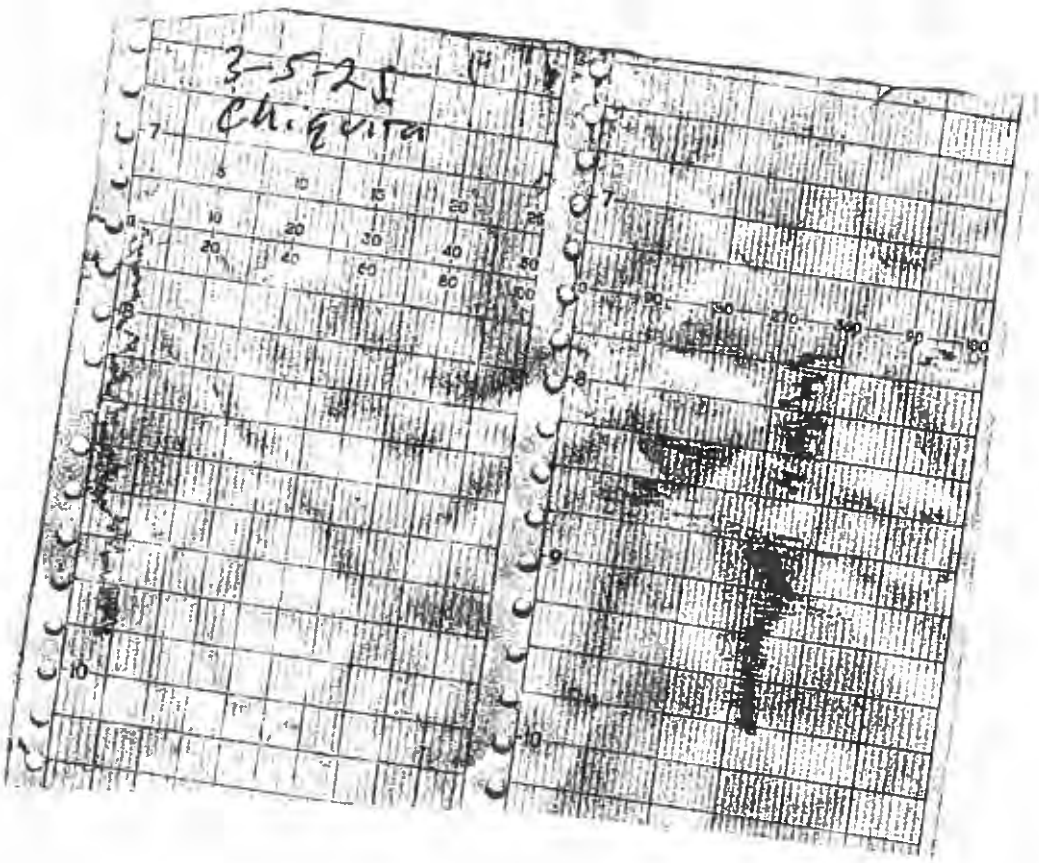
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.49 ppm | 25 ppm | 0 |
| #2 | 0.59 ppm | 25 ppm | 0 |
| #3 | 0.52 ppm | 25.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 0.6 #DIV/0! Must be less than 10% |

Performed By: J. MUNOZ Date/Time: 3-5-25 0700

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1st QTR / 2025 |
| Technician: | Alberto Lopez |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 157 | Y1 | Surface | 700 | 2-26-25 | | | | | | | | |
| 178 | Y3 | CV2308 | 5000 | | | | | | | | | |
| 185 | Y4 | unmarked | 7000 | | | | | | | | | |
| 214 | Y61 | TD:12548:90 | 828 | | | | | | | | | |
| 214 | Y62 | Surface | 773 | | | | | | | | | |
| 214 | Y63 | H-2163W | 603 | | | | | | | | | |
| 214 | Y64 | H-2161W | 1108 | | | | | | | | | |
| 215 | Y65 | Surface | 500 | | | | | | | | | |
| 212 | Y66 | CV24193 | 3700 | | | | | | | | | |
| 199 | Y67 | CV16015 | 1312 | | | | | | | | | |
| 197 | Y68 | H14095 | 2300 | | | | | | | | | |
| 197 | Y69 | CV24198 | 7100 | | | | | | | | | |
| 96 | Y70 | CV24115 | 1070 | | | | | | | | | |
| 221 | Y121 | Surface | 612 | | | | | | | | | |
| 222 | Y122 | Surface | 4146 | | | | | | | | | |
| 225 | Y123 | Surface | 2086 | | | | | | | | | |
| 244 | Y124 | unmarked | 5038 | | | | | | | | | |
| 236 | Y141 | Surface | 561 | | | | | | | | | |
| 236 | Y142 | Surface | 656 | | | | | | | | | |
| 235 | Y143 | Surface | 978 | | | | | | | | | |
| 232 | Y144 | Surface | 1296 | | | | | | | | | |
| 231 | Y145 | H2303N | 2062 | " | | | | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1st QTR / 2015 |
| Technician: | Alberto Lopez |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 230 | Y146 | Surface | 678 | 2-26-15 | | | | | | | | |
| 95 | Y161 | D-6 | 754 | ↓ | | | | | | | | |
| 98 | Y162 | D-09 | 2000 | ↓ | | | | | | | | |
| 103 | Y163 | Surface | 1200 | ↓ | | | | | | | | |
| 100 | Y164 | H21600E | 1876 | ↓ | | | | | | | | |
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2-26-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43466604 | -118.648578 | 2025-02-26T16:52:38Z | Y1 | Surface ppm 700 157 |
| 2 | 34.43015297 | -118.648168 | 2025-02-26T16:35:07Z | Y121 | 632Ppm surface |
| 3 | 34.43005498 | -118.648349 | 2025-02-26T16:51:07Z | Y122 | 4146Ppm surface |
| 4 | 34.43010896 | -118.650394 | 2025-02-26T17:32:30Z | Y123 | 2086Ppm surface |
| 5 | 34.42902602 | -118.651351 | 2025-02-26T17:55:03Z | Y124 | 5038Ppm well |
| 6 | 34.42937303 | -118.646185 | 2025-02-26T16:22:27Z | Y141 | 561Ppm surface |
| 7 | 34.429007 | -118.646803 | 2025-02-26T16:35:25Z | Y142 | 656Ppm surface |
| 8 | 34.429066 | -118.647145 | 2025-02-26T16:45:15Z | Y143 | 988Ppm surface |
| 9 | 34.42876602 | -118.648283 | 2025-02-26T17:12:09Z | Y144 | 1296Ppm surface |
| 10 | 34.42904597 | -118.648442 | 2025-02-26T17:25:37Z | Y145 | 2062Ppm well h2303n |
| 11 | 34.42851498 | -118.648806 | 2025-02-26T17:39:35Z | Y146 | 678Ppm surface |
| 12 | 34.43009899 | -118.645443 | 2025-02-26T16:18:13Z | Y161 | 754PPm grd95 wellD-6 |
| 13 | 34.43012699 | -118.646318 | 2025-02-26T16:28:05Z | Y162 | 2000Ppm Grd98 wellD-09 |
| 14 | 34.42973396 | -118.64699 | 2025-02-26T16:39:34Z | Y163 | 1800Ppm grd103surface |
| 15 | 34.43046704 | -118.646666 | 2025-02-26T17:01:41Z | Y164 | 1876Ppm grd100 well H2160E |
| 16 | 34.43589197 | -118.648912 | 2025-02-26T17:28:57Z | Y3 | Well cv2308 ppm 5000 178 |
| 17 | 34.43655297 | -118.649488 | 2025-02-26T17:37:46Z | Y4 | Well no id ppm 7000 185 |
| 18 | 34.43097297 | -118.649793 | 2025-02-26T17:15:05Z | Y61 | 828Ppm well-TD:125 LB:120 |
| 19 | 34.43107699 | -118.649826 | 2025-02-26T17:17:52Z | Y62 | 773Ppm surface |
| 20 | 34.43118797 | -118.6499 | 2025-02-26T17:19:21Z | Y63 | 603ppm well-H-2163w |
| 21 | 34.43094799 | -118.650231 | 2025-02-26T17:23:08Z | Y64 | 1108Ppm well-H-2161w |
| 22 | 34.43100197 | -118.650491 | 2025-02-26T17:29:10Z | Y65 | 500Ppm surface |
| 23 | 34.43151603 | -118.649098 | 2025-02-26T17:41:38Z | Y66 | 3700Ppm well-cv24193 |
| 24 | 34.43111798 | -118.648724 | 2025-02-26T17:46:19Z | Y67 | 1312Ppm well-cv-1601s |
| 25 | 34.43126801 | -118.647991 | 2025-02-26T17:50:37Z | Y68 | 2300Ppm well-H1409s |
| 26 | 34.43157001 | -118.647599 | 2025-02-26T17:54:01Z | Y69 | 7100Ppm well-cv24198 |
| 27 | 34.43120498 | -118.646847 | 2025-02-26T18:03:34Z | Y70 | 1070Ppm well-cv24115 |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1st QTR / 2025 | 1st Qtr / 2025 | |
| Technician: | Alberto Lopez | Gerardo Munoz | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 157 | Y1 | Surface | 700 | 2-26-25 | | 3-8-25 | 380 | | | | | |
| 178 | Y3 | CV2308 | 5000 | | | | 100 | | | | | |
| 185 | Y4 | unmarked | 7000 | | | | 260 | | | | | |
| 214 | Y61 | TD:1256:2c | 828 | | | | 220 | | | | | |
| 214 | Y62 | Surface | 773 | | | | 410 | | | | | |
| 214 | Y63 | H-2163W | 603 | | | | 470 | | | | | |
| 214 | Y64 | H-2161W | 1108 | | | | 200 | | | | | |
| 215 | Y65 | Surface | 500 | | | | 220 | | | | | |
| 212 | Y66 | CV24193 | 3700 | | | | 200 | | | | | |
| 199 | Y67 | CV16015 | 1312 | | | | 390 | | | | | |
| 197 | Y68 | H14095 | 2300 | | | | 77.0 | | | | | |
| 197 | Y69 | CV24198 | 7100 | | | | 14.1 | | | | | |
| 96 | Y70 | CV24115 | 1070 | | | | 425 | | | | | |
| 221 | Y121 | Surface | 612 | | | | 470 | | | | | |
| 222 | Y122 | Surface | 4146 | | | | 220 | | | | | |
| 225 | Y123 | Surface | 2086 | | | | 110 | | | | | |
| 244 | Y124 | unmarked | 5038 | | | | 380 | | | | | |
| 236 | Y141 | Surface | 561 | | | | 330 | | | | | |
| 236 | Y142 | Surface | 656 | | | | 425 | | | | | |
| 235 | Y143 | Surface | 988 | | | | 490 | | | | | |
| 232 | Y144 | Surface | 1246 | | | | 82.0 | | | | | |
| 231 | Y145 | H2303N | 206.2 | | | | 95.0 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1st QTR/ 2025 | 1st QTR/2025 | |
| Technician: | Alberto Lopez | Gerardo Munoz | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 230 | Y140 | Surface | 678 | 2-26-25 | | 3-8-25 | 390 | | | | | |
| 95 | Y161 | D-6 | 754 | ↓ | | ↓ | 485 | | | | | |
| 98 | Y162 | D-09 | 2000 | ↓ | | ↓ | 85.0 | | | | | |
| 103 | Y163 | Surface | 1200 | ↓ | | ↓ | 80.0 | | | | | |
| 100 | Y164 | H2160E | 1876 | ↓ | | ↓ | 83.0 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT # #10 SERIAL #: 1036346773

MONITORING DATE: 3-8-25 TIME: 0700

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.1 ppm | 4.5 ppm | 3.3 ppm |

Background Value = 3.3 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 501 ppm | 450 ppm | 6 |
| #2 | 502 ppm | 450 ppm | 6 |
| #3 | 502 ppm | 450 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

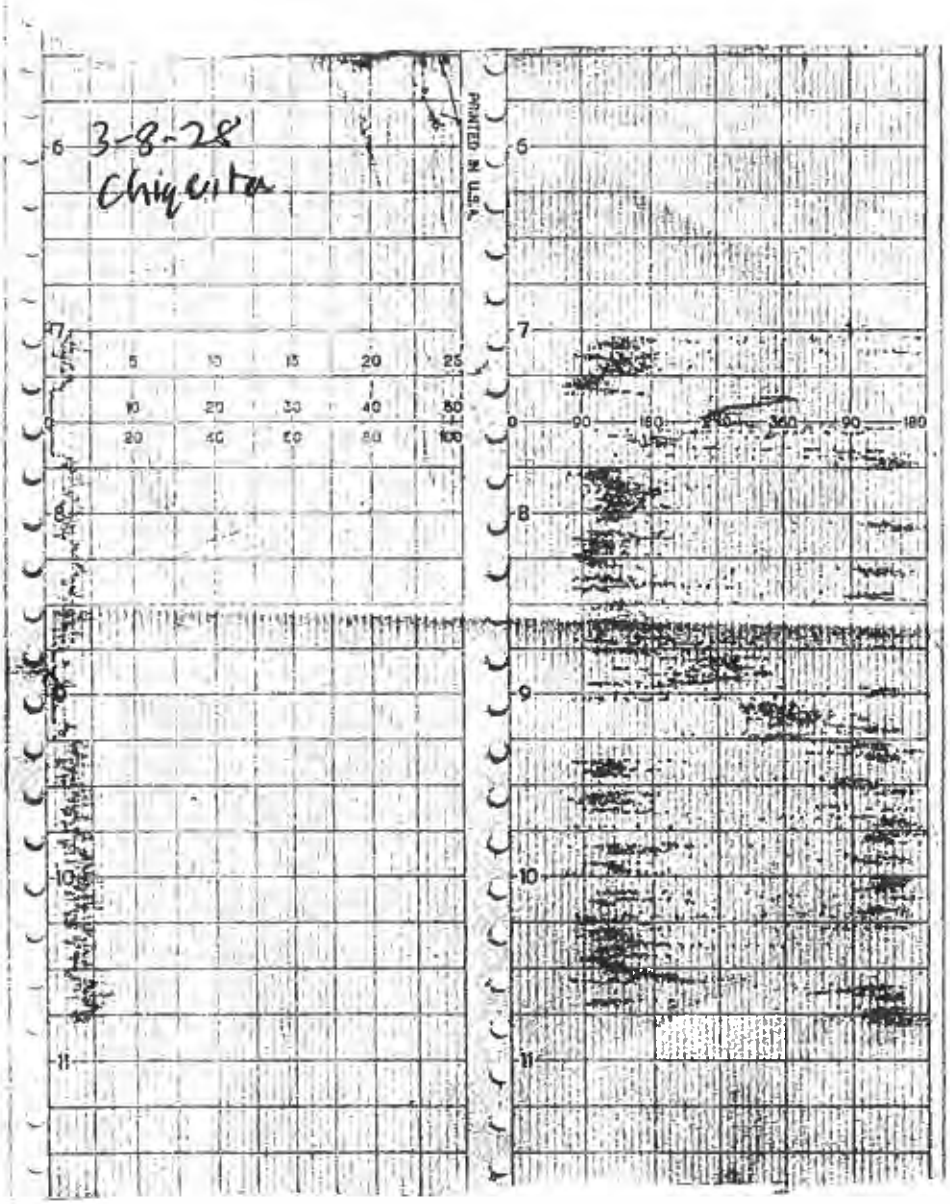
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.49 ppm | 501 ppm | 1 |
| #2 | 0.66 ppm | 502 ppm | 2 |
| #3 | 0.62 ppm | 502 ppm | 2 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.3 #DIV/0! Must be less than 10% |

Performed By: JMuñoz Date/Time: 3-8-25 0700

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

Site: Cinquita



| Quarter / Year: | 1st QTR / 2025 | 1st Quarter 2025 | |
|---|---|---|---|
| Technician: | Alberto Lopez | D Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 157 | Y1 | Surface | 7000 | 2-26-25 | | 3/26/25 | 7.3 | | | | | |
| 178 | Y3 | CV2308 | 5000 | | | | 8.2 | | | | | |
| 185 | Y4 | unmarked | 7000 | | | | 7.3 | | | | | |
| 214 | Y61 | TD: 125 LB: n | 827 | | | | 43.3 | | | | | |
| 214 | Y62 | Surface | 773 | | | | 21.8 | | | | | |
| 214 | Y63 | H-2163W | 603 | | | | 9.7 | | | | | |
| 214 | Y64 | H-2161W | 1108 | | | | 16.3 | | | | | |
| 215 | Y65 | Surface | 500 | | | | 292 | | | | | |
| 212 | Y66 | CV24193 | 3700 | | | | 10.4 | | | | | |
| 199 | Y67 | CV16015 | 1312 | | | | 8.3 | | | | | |
| 197 | Y68 | H14095 | 2300 | | | | 106 | | | | | |
| 197 | Y69 | CV24198 | 7100 | | | | 267 | | | | | |
| 96 | Y70 | CV24115 | 1070 | | | | 151 | | | | | |
| 221 | Y121 | Surface | 612 | | | | 29.7 | | | | | |
| 222 | Y122 | Surface | 4146 | | | | 197 | | | | | |
| 225 | Y123 | Surface | 2086 | | | | 120 | | | | | |
| 244 | Y124 | unmarked | 5038 | | | | 14.9 | | | | | |
| 236 | Y141 | Surface | 561 | | | | 134 | | | | | |
| 236 | Y142 | Surface | 656 | | | | 454 | | | | | |
| 235 | Y143 | Surface | 988 | | | | 32.9 | | | | | |
| 232 | Y144 | Surface | 1296 | | | | 173 | | | | | |
| 231 | Y145 | H2303N | 2062 | | | | 25.2 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1st QTR / 2025 | 1st Quarter 2025 | |
| Technician: | Alberto Lopez | D. Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 PPM | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 230 | Y146 | Surface | 678 | 2-26-25 | | 3/26/25 | 153 | | | | | |
| 95 | Y161 | D-6 | 754 | 1 | | ↓ | 165 | | | | | |
| 98 | Y162 | D-09 | 2000 | | | | 79.1 | | | | | |
| 103 | Y163 | Surface | 1800 | | | | 393 | | | | | |
| 100 | Y164 | H2160E | 1876 | ↓ | | | 290 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #2 SERIAL #: 7784545

MONITORING DATE: 3-26-25 TIME: 0830

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.1 ppm | 3.5 ppm | 2.8 ppm |

Background Value = 2.8 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 501 ppm | 450 ppm | 5 |
| #2 | 501 ppm | 450 ppm | 5 |
| #3 | 501 ppm | 450 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 5.3 #DIV/0! Must be less than 30 seconds |

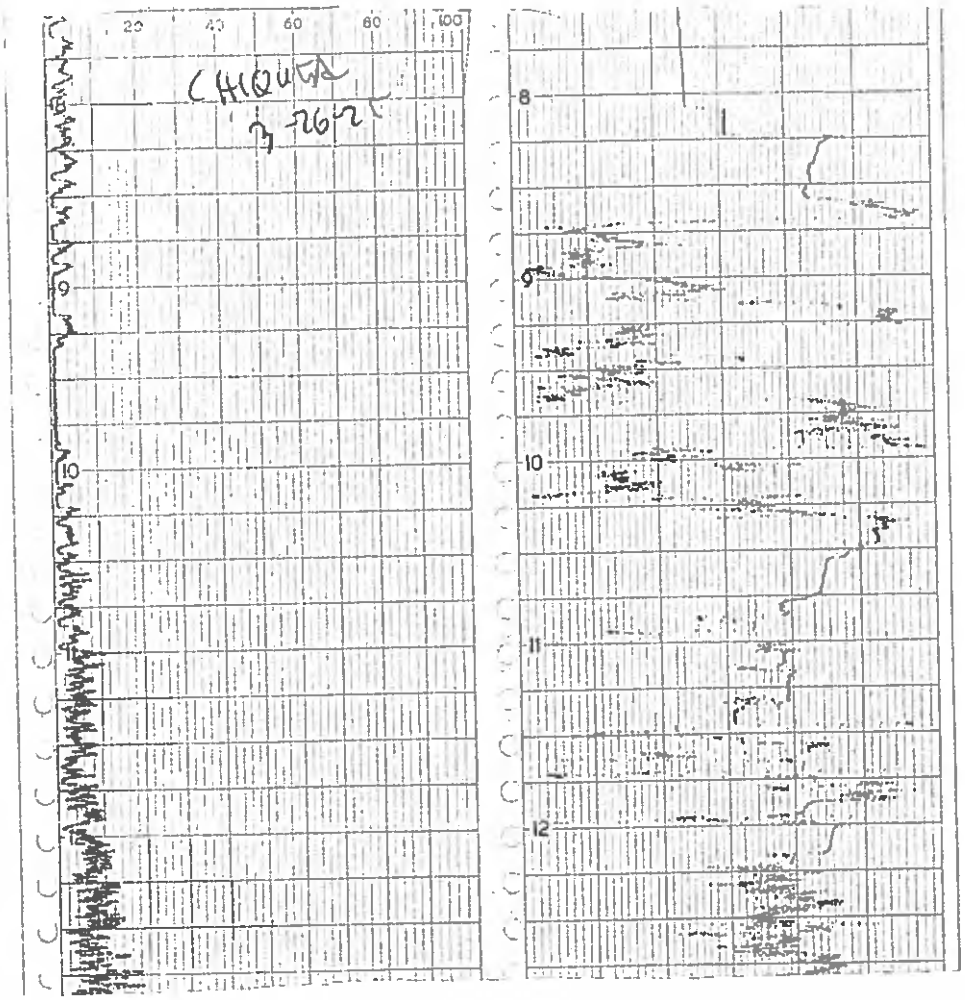
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.45 ppm | 501 ppm | 1 |
| #2 | 0.46 ppm | 501 ppm | 1 |
| #3 | 0.51 ppm | 501 ppm | 1 |
| Calculate Precision | [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | 0.2 #DIV/0! Must be less than 10% |

Performed By: D. Hernandez Date/Time: 3-26-25 0830

# WIND SPEED & DIRECTION CHART ROLL



# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR/2025 |
| Technician | Stephen Borchers |
| Instrument | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm |
| 71 | 40.25 | 3-3-25 | | | | | | | | |
| 32 | 35.26 | ↓ | | | | | | | | |
| 57 | 40.28 | | | | | | | | | |
| 52 | 32.00 | | | | | | | | | |
| 47 | 28.43 | | | | | | | | | |
| 104 | 25.22 | | | | | | | | | |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | 1ST QTR/2025 |
| Technician | Stephen Borches | Stephen Borches |
| Instrument | TVA1000 | TVA1000 |
| Calibration Standard | 25ppm | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 71 | 40.25 | 3-3-25 | | 3-10-25 | 1008 | | | | | |
| 32 | 35.26 | ↓ | | ↓ | 24.31 | | | | | |
| 51 | 40.28 | | | | 13.75 | | | | | |
| 52 | 32.00 | | | | 12.32 | | | | | |
| 47 | 28.48 | | | | 10.02 | | | | | |
| 104 | 25.22 | | | | 9.04 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 3-10-25 TIME: 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.17 ppm | 7.21 ppm | 6.69 ppm |

**Background Value = 6.69 ppm**

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.4 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

### CALIBRATION PRECISION RECORD

**Calibration Gas Standard = 25 ppm**

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 0.1 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.4 ppm | .6 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 2% #DIV/0! Must be less than 10% |

Performed By Stephen Borchers Date/Time 3-10-25 / 0700

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 1 SERIAL #: 16320932

MONITORING DATE: 3-10-25 TIME 0700

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.63 ppm | 6.15 ppm | 5.89 ppm |

**Background Value = 5.89 ppm**

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 2.4 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.5 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

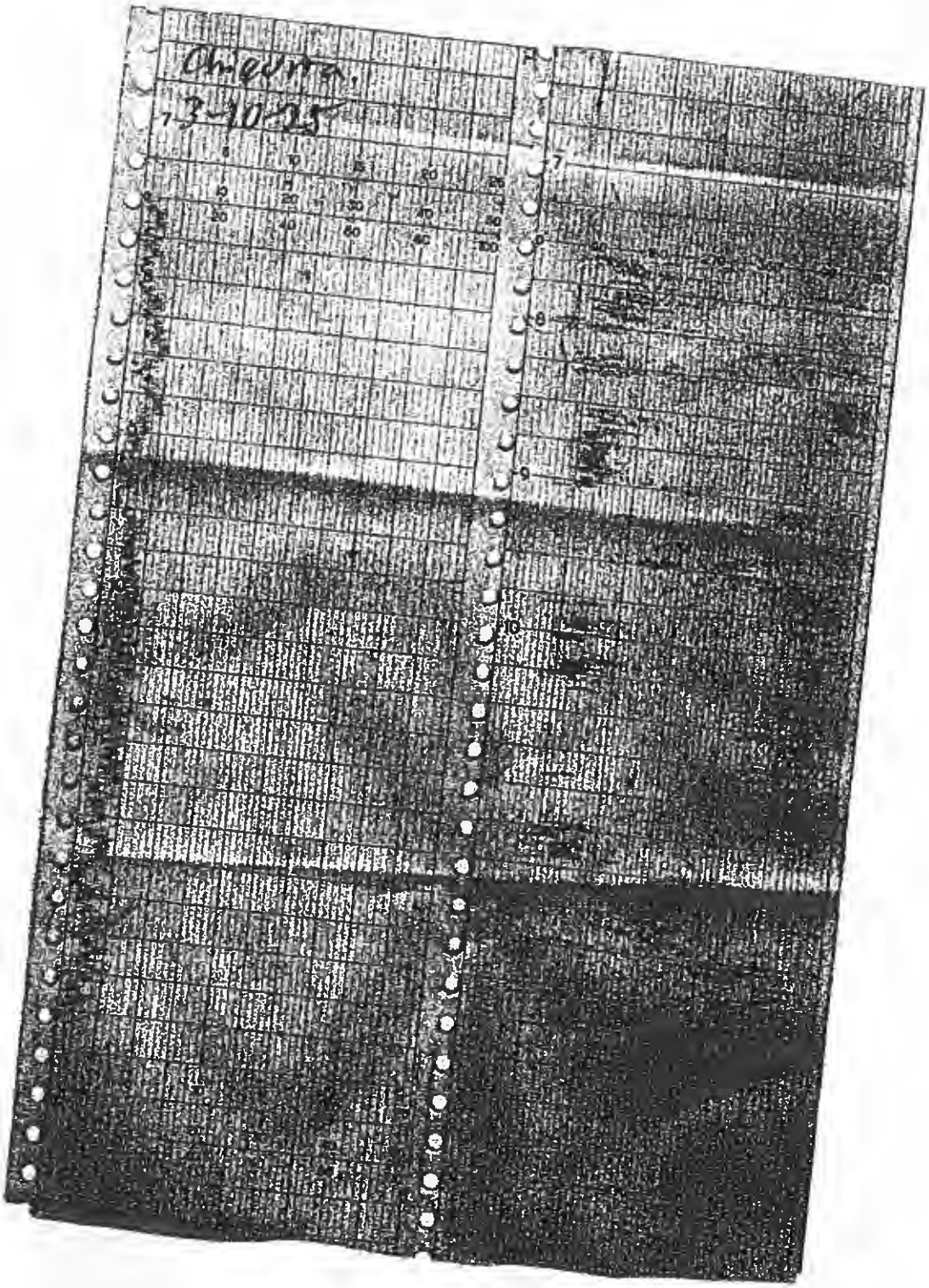
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24 ppm | 1 |
| #2 | 1.0 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | .2% #DIV/0! Must be less than 10% |

Performed By Stephen Borchers. Date/Time 3-10-25 / 0700

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 1ST QTR / 2025 |
| Technician: | Stephen Borchers | Stephen Borchers |
| Instrument: | TVA 1000 | TVA1000 |
| Calibration Standard: | 25 ppm | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 157 | 162 | 3-4-25 | | 3-10-25 | 9.65 | | | | | |
| 186 | 50.50 | | | | 7.82 | | | | | |
| 200 | 25.12 | | | | 14.21 | | | | | |
| 181 | 38.21 | | | | 11.18 | | | | | |
| 180 | 40.36 | | | | 12.38 | | | | | |
| 179 | 26.37 | | | | 9.46 | | | | | |
| 145 | 30.50 | | | | 15.06 | | | | | |
| 184 | 162 | | | | 8.20 | | | | | |
| 53 | 42.20 | | | | 11.91 | | | | | |
| 158 | 71.00 | | | | 8.49 | | | | | |
| 206 | 44.60 | | | | 14.37 | | | | | |
| 207 | 39.19 | | | | 12.64 | | | | | |
| 204 | 36.74 | | | | 23.31 | | | | | |
| 169 | 47.63 | | | | 9.57 | | | | | |
| 171 | 44.22 | | | | 12.66 | | | | | |
| 170 | 44.37 | | | | 11.30 | | | | | |
| 84 | 30.56 | | | | 10.22 | | | | | |
| 161 | 35.00 | | | | 18.40 | | | | | |
| 163 | 29.58 | | | | 10.16 | | | | | |
| 155 | 59.78 | | | | 10.32 | | | | | |
| 166 | 61.34 | | | | 10.70 | | | | | |
| 188 | 27.70 | ↓ | | ↓ | 16.32 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 3-10-25 TIME: 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.17 ppm | 7.21 ppm | 6.69 ppm |

Background Value = 6.69 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.4 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 0.1 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.4 ppm | .6 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 2% #DIV/0! Must be less than 10% |

Performed By Stephen Borchers Date/Time 3-10-25 / 0700

RJRS Environmental Inc

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 1 SERIAL #: 163209332

MONITORING DATE: 3-10-25 TIME: 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.63 ppm | 6.15 ppm | 5.89 ppm |

Background Value = 5.89 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.5 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

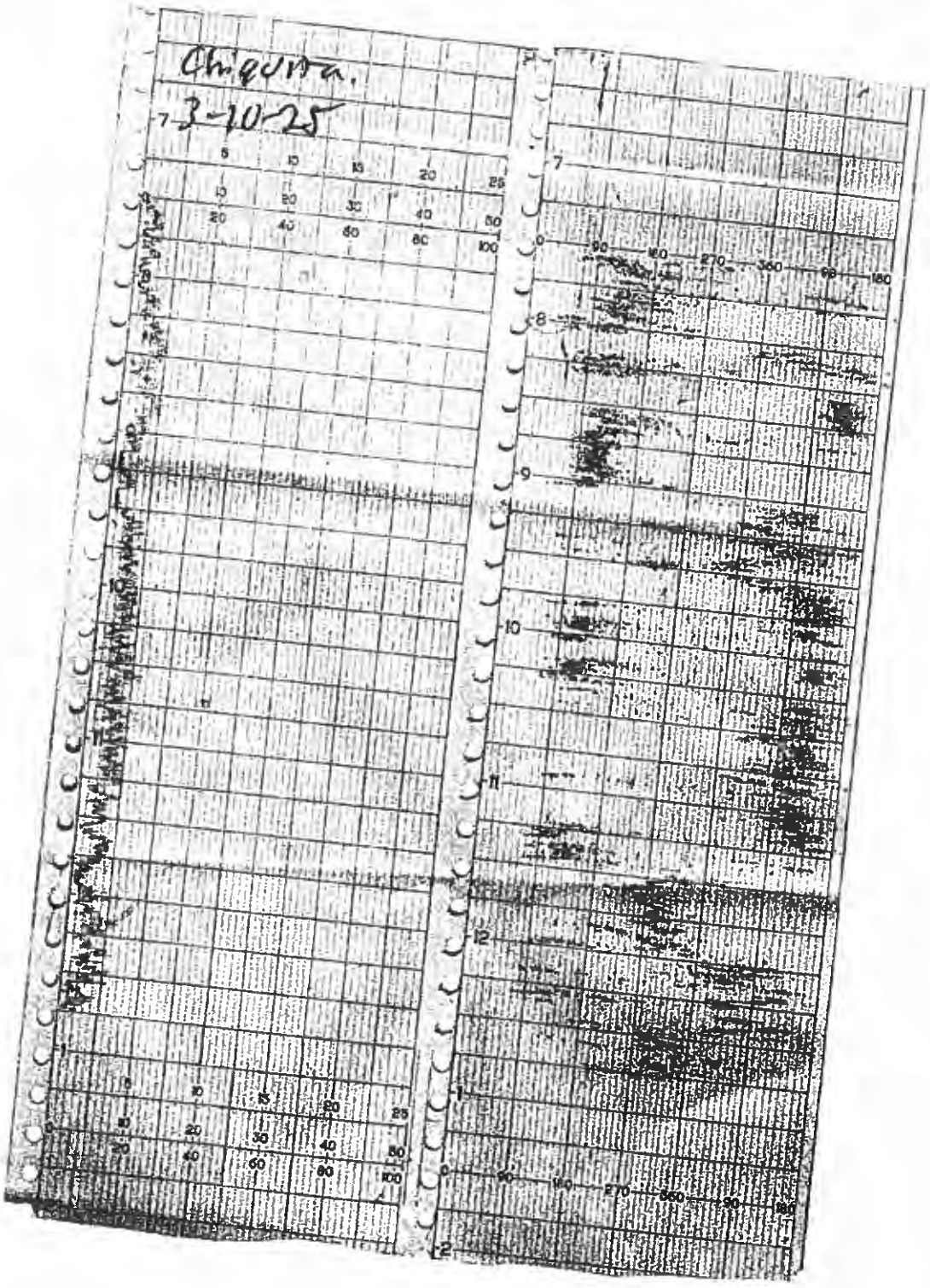
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24 ppm | 1 |
| #2 | 1.0 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | .2% #DIV/0! Must be less than 10% |

Performed By Stephen Borchers. Date/Time 3-10-25 / 0700

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | STephen Burgess |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 211 | 53.48 | 3-5-25 | | | | | | | | |
| 214 | 34.09 | | | | | | | | | |
| 215 | 33.06 | | | | | | | | | |
| 197 | 50.66 | | | | | | | | | |
| 99 | 41.03 | | | | | | | | | |
| 216 | 34.02 | | | | | | | | | |
| 217 | 28.25 | | | | | | | | | |
| 218 | 32.56 | | | | | | | | | |
| 225 | 29.23 | | | | | | | | | |
| 224 | 27.29 | | | | | | | | | |
| 223 | 28.15 | | | | | | | | | |
| 221 | 67.00 | | | | | | | | | |
| 102 | 50.00 | | | | | | | | | |
| 100 | 127 | | | | | | | | | |
| 97 | 56.00 | ↓ | | | | | | | | |

## Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Borcher |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 157 | 162 | 3-4-25 | | | | | | | | |
| 186 | 50.50 | | | | | | | | | |
| 200 | 25.12 | | | | | | | | | |
| 181 | 38.31 | | | | | | | | | |
| 180 | 40.36 | | | | | | | | | |
| 179 | 26.37 | | | | | | | | | |
| 145 | 30.50 | | | | | | | | | |
| 184 | 16.0 | | | | | | | | | |
| 53 | 42.20 | | | | | | | | | |
| 158 | 71.00 | | | | | | | | | |
| 206 | 44.60 | | | | | | | | | |
| 207 | 39.19 | | | | | | | | | |
| 204 | 36.74 | | | | | | | | | |
| 168 | 47.63 | | | | | | | | | |
| 171 | 44.22 | | | | | | | | | |
| 170 | 44.37 | | | | | | | | | |
| 89 | 30.56 | | | | | | | | | |
| 161 | 35.00 | | | | | | | | | |
| 163 | 29.58 | | | | | | | | | |
| 155 | 59.78 | | | | | | | | | |
| 166 | 61.34 | ↓ | | | | | | | | |
| | | | | | | | | | | |

## Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 157 | 162 | 3-4-25 | | | | | | | | |
| 186 | 50.50 | | | | | | | | | |
| 200 | 25.12 | | | | | | | | | |
| 181 | 38.31 | | | | | | | | | |
| 180 | 40.36 | | | | | | | | | |
| 179 | 26.37 | | | | | | | | | |
| 145 | 30.50 | | | | | | | | | |
| 184 | 162 | | | | | | | | | |
| 53 | 42.20 | | | | | | | | | |
| 158 | 71.00 | | | | | | | | | |
| 206 | 44.60 | | | | | | | | | |
| 207 | 39.19 | | | | | | | | | |
| 204 | 36.74 | | | | | | | | | |
| 168 | 47.63 | | | | | | | | | |
| 171 | 44.22 | | | | | | | | | |
| 170 | 44.37 | | | | | | | | | |
| 89 | 30.56 | | | | | | | | | |
| 161 | 35.00 | | | | | | | | | |
| 163 | 29.58 | | | | | | | | | |
| 155 | 59.78 | | | | | | | | | |
| 166 | 61.34 | ↓ | | | | | | | | |
| | | | | | | | | | | |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR/2025 |
| Technician | Stephen Borchers |
| Instrument | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm |
| 71 | 40.25 | 3-3-25 | | | | | | | | |
| 32 | 35.26 | ↓ | | | | | | | | |
| 57 | 40.28 | | | | | | | | | |
| 52 | 32.00 | | | | | | | | | |
| 47 | 28.43 | | | | | | | | | |
| 104 | 25.22 | ↓ | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 1ST QTR / 2025 |
| Technician: | Stephen Borchers | Stephen Borchers |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25 ppm | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 211 | 53.48 | 3-5-25 | | 3-15-25 | 18.49 | | | | | |
| 214 | 34.09 | | | | 14.45 | | | | | |
| 215 | 33.06 | | | | 11.00 | | | | | |
| 197 | 50.66 | | | | 11.92 | | | | | |
| 99 | 41.03 | | | | 24.15 | | | | | |
| 216 | 34.02 | | | | 18.14 | | | | | |
| 217 | 78.25 | | | | 12.69 | | | | | |
| 218 | 33.56 | | | | 24.30 | | | | | |
| 225 | 29.23 | | | | 19.34 | | | | | |
| 224 | 27.28 | | | | 15.50 | | | | | |
| 223 | 28.35 | | | | 17.93 | | | | | |
| 221 | 67.00 | | | | 22.13 | | | | | |
| 102 | 50.00 | | | | 16.39 | | | | | |
| 100 | 127 | | | | 15.17 | | | | | |
| 97 | 56.00 | ↓ | | ↓ | 12.35 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 36 SERIAL #: 0332605195

MONITORING DATE: 3-15-25 TIME 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.17 ppm | 7.21 ppm | 6.69 ppm |

Background Value = 6.69 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.4 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3)/3 | | | 7 #DIV/0! Must be less than 30 seconds |

### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 0.1 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.4 ppm | .6 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 2% #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time 3-15-25 / 0700

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Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 1 SERIAL #: 16320832

MONITORING DATE: 3-15-25 TIME: 0700

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.63 ppm | 6.15 ppm | 5.89 ppm |

Background Value = 5.89 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.5 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

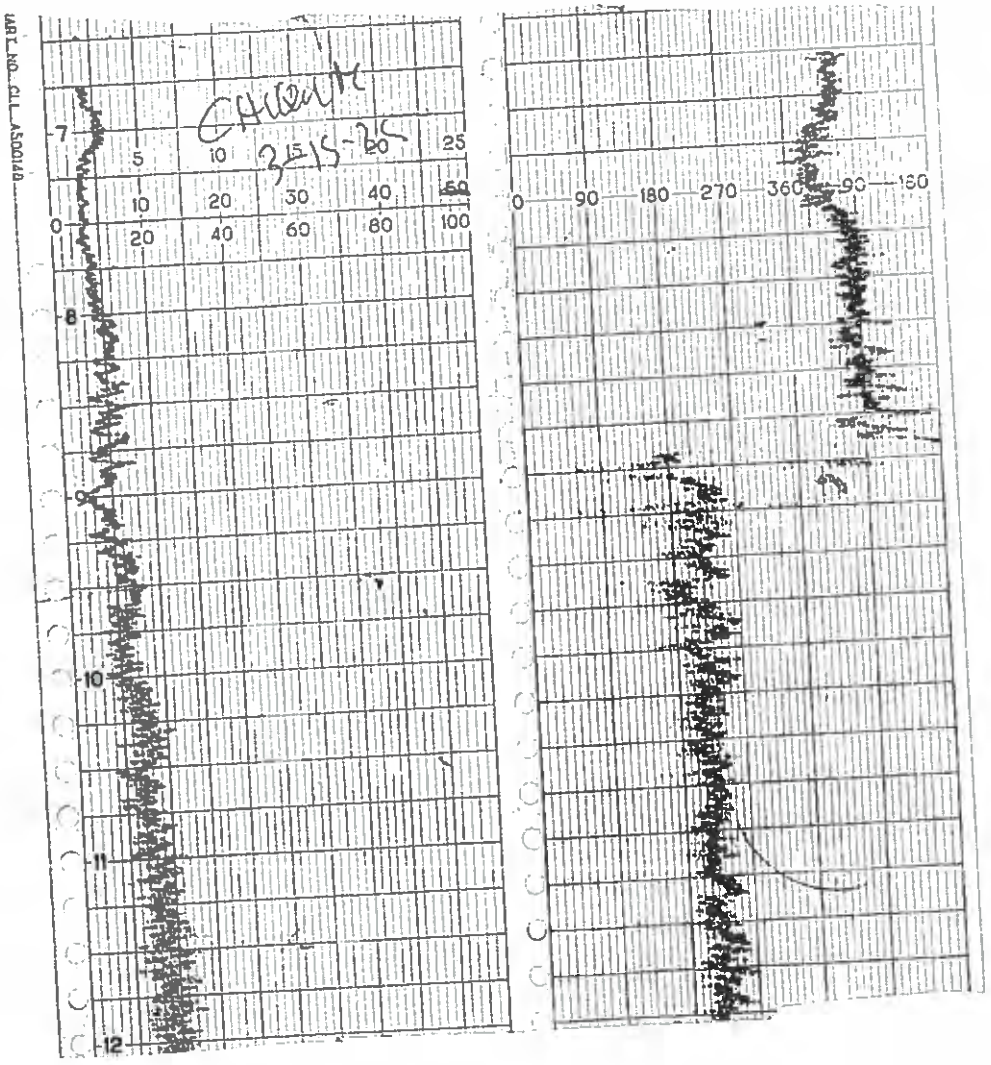
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24 ppm | 1 |
| #2 | 1.0 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | .2% #DIV/0! Must be less than 10% |

Performed By: Stephen Bordeaux Date/Time: 3-15-25 / 0700

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | 1ST QTR/2025 |
| Technician: | Stephen Borches | Stephen Borches |
| Instrument: | TVA1000 | TVA1000 |
| Calibration Standard: | 25 ppm | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 237 | 25.26 | 3-4-25 | | 3-15-25 | 18.70 | | | | | |
| 240 | 30.42 | | | | 22.64 | | | | | |
| 245 | 56.75 | | | | 20.99 | | | | | |
| 246 | 61.90 | | | | 19.18 | | | | | |
| 221 | 320 | ↓ | | ↓ | 12.90 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE Thermo

MODEL: TVA1000 EQUIPMENT # 36 SERIAL # 0332603195

MONITORING DATE: 3-15-25 TIME 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.17 ppm | 7.21 ppm | 6.69 ppm |

**Background Value = 6.69 ppm**

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.4 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 0.1 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.4 ppm | .6 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 2% #DIV/0! Must be less than 10% |

Performed By Stephen Borchers Date/Time 3-15-25 / 0700

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Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 1 SERIAL #: 163208 32

MONITORING DATE: 3-15-25 TIME: 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.63 ppm | 6.15 ppm | 5.89 ppm |

Background Value = 5.89 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.5 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

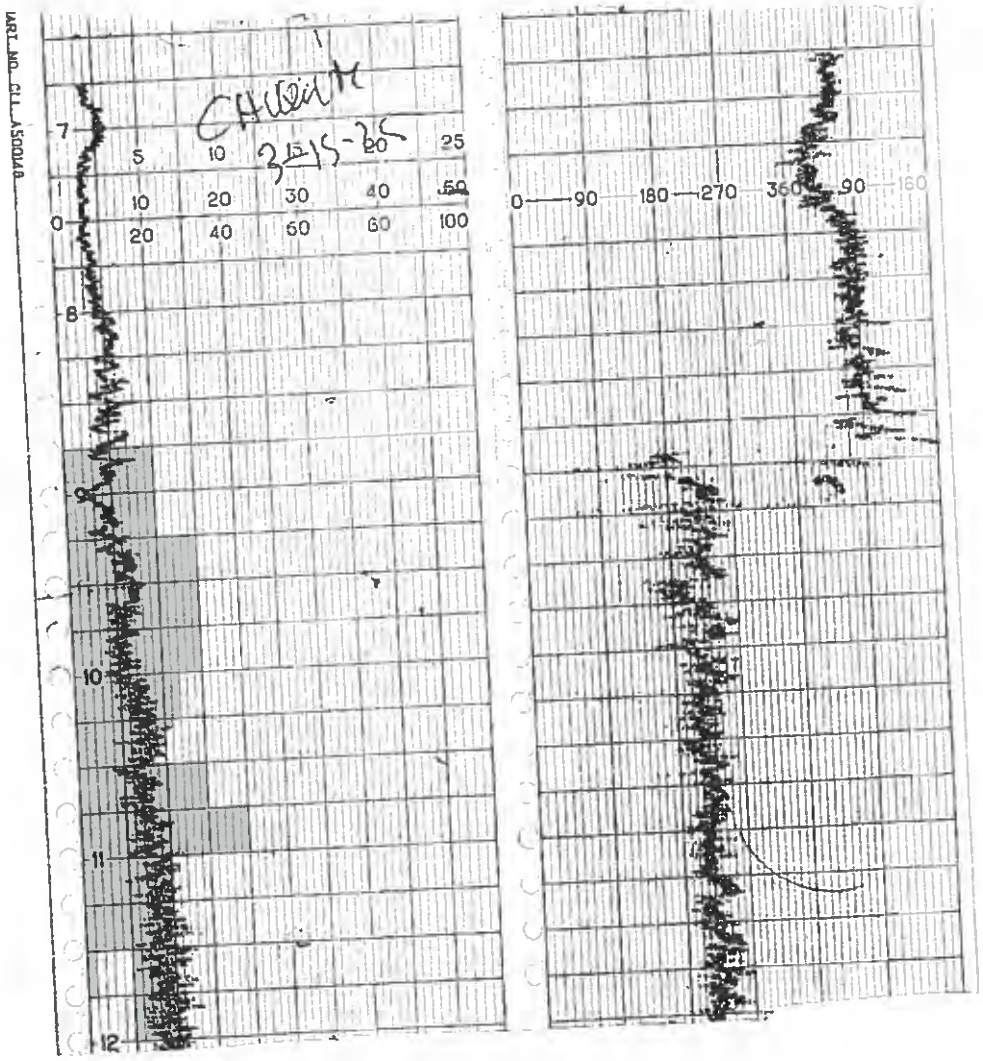
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24 ppm | 1 |
| #2 | 1.0 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | .2% #DIV/0! Must be less than 10% |

Performed By Stephen Barcklus. Date/Time 3-15-25 / 0700

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR /2025 |
| Technician: | Stephen Rockers |
| Instrument: | TVA1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 174 | Y62 | CHFP041 | 1680 | 3-10-25 | | | | | | | | |
| 173 | Y63 | RAMSP05 | 600 | | | | | | | | | |
| 173 | Y64 | CHFP030 | 600 | | | | | | | | | |
| 157 | Y65 | RAMSP04 | 657 | | | | | | | | | |
| 147 | Y66 | CCV24054 | 2,000 | | | | | | | | | |
| 265 | Y67 | NO Number | 3,000 | | | | | | | | | |
| 161 | Y68 | CV24173 | 1,100 | | | | | | | | | |
| 77 | Y7 | CCV24120 | 605 | | | | | | | | | |
| 203 | Y102 | Pipe Connection | 662 | | | | | | | | | |
| 169 | Y103 | Pipe Connection | 500 | | | | | | | | | |
| 169 | Y104 | Surface | 1,109 | | | | | | | | | |
| 169 | Y105 | Pipe surface | 1,225 | | | | | | | | | |
| 169 | Y106 | Surface | 557 | | | | | | | | | |
| 169 | Y107 | Surface | 1,039 | | | | | | | | | |
| 168 | Y108 | Surface | 1,003 | | | | | | | | | |
| 170 | Y109 | Surface | 790 | | | | | | | | | |
| 170 | Y110 | HSPS3404 | 881 | | | | | | | | | |
| 171 | Y111 | CHCV2302 | 690 | | | | | | | | | |
| 171 | Y112 | Surface Pipe | 581 | | | | | | | | | |
| 171 | Y113 | Surf Pump Pipe | 520 | | | | | | | | | |
| 158 | Y114 | Surface | 1,573 | | | | | | | | | |
| 158 | Y115 | Surface | 1,017 | | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1st QTR / 2025 |
| Technician: | Stephen Burchett |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 53 | Y116 | H-1804 | 590 | 3-10-25 | | | | | | | | |
| 53 | Y117 | Surface | 513 | | | | | | | | | |
| 96 | Y18 | H1764S | 590 | | | | | | | | | |
| 68 | Y19 | CV24202 | 801 | | | | | | | | | |
| 162 | Y20 | CV24199 | 731 | | | | | | | | | |
| 196 | Y21 | CV24105 | 843 | | | | | | | | | |
| 196 | Y22 | CV24185 | 509 | | | | | | | | | |
| 198 | Y23 | H2164A | 781 | | | | | | | | | |
| 181 | Y42 | Surface | 1,356 | | | | | | | | | |
| 181 | Y43 | Surface | 723 | | | | | | | | | |
| 181 | Y44 | CV2351 | 5,475 | | | | | | | | | |
| 181 | Y45 | Surface | 700 | | | | | | | | | |
| 181 | Y46 | CV24143 | 856 | | | | | | | | | |
| 181 | Y47 | 3305048 | 913 | | | | | | | | | |
| 181 | Y48 | NOID | 500 | | | | | | | | | |
| 175 | Y49 | CV24140 | 500 | | | | | | | | | |
| 175 | Y50 | Surface | 200 | | | | | | | | | |
| 175 | Y51 | CV2353 | 800 | | | | | | | | | |
| 175 | Y52 | Surface | 800 | | | | | | | | | |
| 175 | Y53 | NOID | 5,232 | | | | | | | | | |
| 175 | Y54 | Surface | 900 | | | | | | | | | |
| 176 | Y55 | NOID | 2456 | | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Bachus |
| Instrument: | TVA1000 |
| Calibration Standard: | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 175 | Y56 | TD-51630 | 952 | 3-10-25 | | | | | | | | |
| 176 | Y57 | surface | 500 | | | | | | | | | |
| 176 | Y58 | surface | 9,823 | | | | | | | | | |
| 177 | Y59 | surface | 900 | | | | | | | | | |
| 156 | Y60 | NOID | 913 | | | | | | | | | |
| 156 | Y61 | Surface | 560 | | | | | | | | | |
| 156 | Y62 | NOID | 900 | | | | | | | | | |
| 156 | Y63 | surface | 500 | | | | | | | | | |
| 146 | Y641 | CV2449 | 500 | | | | | | | | | |
| 84 | Y651 | CV2462 | 800 | | | | | | | | | |
| 84 | Y661 | TD-40X-W | 500 | | | | | | | | | |
| 84 | Y671 | H17 | 800 | | | | | | | | | |
| 30 | Y681 | Surface | 600 | | | | | | | | | |
| 30 | Y69 | H-19555 | 500 | | | | | | | | | |
| 33 | Y70 | CV24109 | 600 | | | | | | | | | |
| 32 | Y71 | H-19565 | 900 | | | | | | | | | |
| 32 | Y72 | H-2168C | 500 | | | | | | | | | |
| 32 | Y73 | NOID | 500 | | | | | | | | | |
| 90 | Y74 | Surface | 500 | | | | | | | | | |
| 83 | Y83 | CV2350 | 612 | | | | | | | | | |
| 85 | Y85 | CV24068 | 625 | | | | | | | | | |
| 86 | Y86 | CV24083 | 437 | ✓ | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 79 | 4224 | Surface | 999 | | | | | | | | | |
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3-10-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43342702 | -118.651401 | 2025-03-10T16:02:54Z | Y102 | Ppm662polesurface grd203 |
| 2 | 34.43364303 | -118.650774 | 2025-03-10T16:21:24Z | Y103 | Ppm683grd169surfacepipe |
| 3 | 34.43371897 | -118.650606 | 2025-03-10T16:31:33Z | Y104 | Ppm1103grd169surface |
| 4 | 34.43373498 | -118.650617 | 2025-03-10T16:34:33Z | Y105 | Ppm1225grd169surfacepipe |
| 5 | 34.43371503 | -118.650591 | 2025-03-10T16:41:29Z | Y106 | Ppm557grd169surce |
| 6 | 34.433711 | -118.650264 | 2025-03-10T16:43:56Z | Y107 | Ppm1039grd169surface |
| 7 | 34.43374897 | -118.650257 | 2025-03-10T16:46:29Z | Y108 | Ppm997grd169surfce |
| 8 | 34.43376599 | -118.649945 | 2025-03-10T16:51:50Z | Y109 | Ppm790grd170surface |
| 9 | 34.43377102 | -118.649923 | 2025-03-10T16:56:38Z | Y110 | Ppm881grd170wellht53404 |
| 10 | 34.43407201 | -118.649195 | 2025-03-10T17:05:31Z | Y111 | Ppm690grd171wellchcv2302 |
| 11 | 34.43427301 | -118.6492 | 2025-03-10T17:09:52Z | Y112 | Ppm581grd171pipe |
| 12 | 34.43435197 | -118.648947 | 2025-03-10T17:14:08Z | Y113 | Ppm520grd171pipe |
| 13 | 34.434372 | -118.648375 | 2025-03-10T17:19:57Z | Y114 | Ppm1513grd158surface |
| 14 | 34.43431199 | -118.648359 | 2025-03-10T17:23:49Z | Y115 | Ppm1117grd158surface |
| 15 | 34.43540599 | -118.645785 | 2025-03-10T17:48:21Z | Y116 | Ppm590grd53well h1804 |
| 16 | 34.43548302 | -118.645691 | 2025-03-10T18:02:58Z | Y117 | Ppm513grd53surface |
| 17 | 34.43242203 | -118.645725 | 2025-03-10T18:43:49Z | Y18 | Ppm590grd86well h1764s |
| 18 | 34.43195097 | -118.646265 | 2025-03-10T18:53:02Z | Y19 | Ppm801grd88wellcv24202 |
| 19 | 34.43182197 | -118.647318 | 2025-03-10T19:05:44Z | Y20 | Ppm731grd162wellcv24199 |
| 20 | 34.43196899 | -118.647664 | 2025-03-10T19:14:44Z | Y21 | Ppm843grd196wellcv24105 |
| 21 | 34.43187403 | -118.647872 | 2025-03-10T19:20:52Z | Y22 | Ppm509grd196wellcv2419 |
| 22 | 34.43750398 | -118.644893 | 2025-03-10T17:53:17Z | Y221 | 999Ppmgrd79 |
| 23 | 34.43240502 | -118.645256 | 2025-03-10T19:37:03Z | Y23 | Ppm781grd198wellh2164a |
| 24 | 34.43521396 | -118.650817 | 2025-03-10T15:25:09Z | Y42 | 1356Ppmgrd181surface |
| 25 | 34.435177 | -118.650801 | 2025-03-10T15:26:36Z | Y43 | 723Ppmgrd181urface |
| 26 | 34.43508002 | -118.650959 | 2025-03-10T15:27:59Z | Y431 | 4232Ppmgrd181surace |
| 27 | 34.43516803 | -118.651128 | 2025-03-10T15:31:53Z | Y44 | 5475Ppmgrd181wellCv2351 |
| 28 | 34.43499402 | -118.651163 | 2025-03-10T15:33:43Z | Y45 | 700Ppmgrd181surface |
| 29 | 34.435004 | -118.651191 | 2025-03-10T15:34:48Z | Y46 | 856Ppmgrd181wellCv24143 |
| 30 | 34.43505504 | -118.651346 | 2025-03-10T15:40:37Z | Y47 | 913Ppmgrd181well33050483 |
| 31 | 34.43502696 | -118.65139 | 2025-03-10T15:43:46Z | Y48 | 500Ppmgrd181wellNoID |
| 32 | 34.43469998 | -118.651112 | 2025-03-10T15:49:20Z | Y49 | 500Ppmgrd175wellCV-24140 |
| 33 | 34.43460401 | -118.651199 | 2025-03-10T15:51:26Z | Y50 | 700Ppmgrd175surface |
| 34 | 34.43457602 | -118.650918 | 2025-03-10T15:54:11Z | Y51 | 800Ppmgrd175wellCV2353 |
| 35 | 34.434631 | -118.650878 | 2025-03-10T15:58:27Z | Y52 | 800Ppmgrd175surface |
| 36 | 34.43456302 | -118.650791 | 2025-03-10T15:59:53Z | Y53 | 5232Ppmgrd175wellNOID |
| 37 | 34.43459496 | -118.650626 | 2025-03-10T16:07:02Z | Y54 | 900Ppmgrd175surface |
| 38 | 34.43460602 | -118.650474 | 2025-03-10T16:10:33Z | Y55 | 2456Ppmgrd176wellNOID |
| 39 | 34.43462396 | -118.650296 | 2025-03-10T16:16:59Z | Y56 | 952Ppmgrd175wellTD-51L-30 |
| 40 | 34.43470602 | -118.65021 | 2025-03-10T16:18:59Z | Y57 | 500Ppmgrd176surface |
| 41 | 34.43474801 | -118.650031 | 2025-03-10T16:23:40Z | Y58 | 9823Ppmgrd176surface |
| 42 | 34.43521002 | -118.649177 | 2025-03-10T16:41:18Z | Y59 | 900Ppmgrd177surface |

| | | | | | |
|---|---|---|---|---|---|
| 43 | 34.43552099 | -118.648881 | 2025-03-10T16:52:18Z | Y60 | 913Ppmgrd156wellNOID |
| 44 | 34.43557397 | -118.648829 | 2025-03-10T16:58:33Z | Y61 | 500Ppmgrd156surface |
| 45 | 34.435378 | -118.648348 | 2025-03-10T17:02:04Z | Y62 | 800Ppmgrd156wellNOID |
| 46 | 34.43406698 | -118.650636 | 2025-03-10T16:05:52Z | Y622 | 1680-Ppm grid 174-well chlfpo41 |
| 47 | 34.43536299 | -118.648315 | 2025-03-10T17:04:23Z | Y63 | 500Ppmgrd156surface |
| 48 | 34.43430997 | -118.649659 | 2025-03-10T16:22:58Z | Y633 | 600-Ppm grid 173-well ramsp05 |
| 49 | 34.43449404 | -118.64971 | 2025-03-10T16:33:36Z | Y64 | 600-Ppm grid 173-well chlfp030 |
| 50 | 34.43596297 | -118.64718 | 2025-03-10T17:11:51Z | Y641 | 500Ppmgrd146wellCV2449 |
| 51 | 34.43475396 | -118.648458 | 2025-03-10T16:44:53Z | Y65 | 657-Ppm grid 157-well ramsp04 |
| 52 | 34.43334999 | -118.646162 | 2025-03-10T18:03:58Z | Y651 | 800ppmgrd84wellCV-2492 |
| 53 | 34.43566902 | -118.647177 | 2025-03-10T17:08:55Z | Y66 | 2000-Ppm grid 147-well ccv24054 |
| 54 | 34.43353901 | -118.646025 | 2025-03-10T18:10:28Z | Y661 | 500Ppmgrd84wellTD-40DL-40 |
| 55 | 34.43316702 | -118.648485 | 2025-03-10T18:23:37Z | Y67 | 3000 Ppm grid 165-well no number |
| 56 | 34.433192 | -118.645655 | 2025-03-10T18:16:20Z | Y671 | 800Ppmgrd84wellH1764N |
| 57 | 34.43293802 | -118.647665 | 2025-03-10T18:34:40Z | Y68 | 1100-Ppm grid 161-well cv24173 |
| 58 | 34.43379901 | -118.645519 | 2025-03-10T18:20:32Z | Y681 | 600Ppmgrd30surface |
| 59 | 34.43390697 | -118.645508 | 2025-03-10T18:22:40Z | Y69 | 500Ppmgrd30wellH-1955S |
| 60 | 34.43686101 | -118.647325 | 2025-03-10T17:30:38Z | Y7 | 605Ppmrid77cv24120 |
| 61 | 34.43402197 | -118.644888 | 2025-03-10T18:29:20Z | Y70 | 600Ppmgrd33wellCV24109 |
| 62 | 34.43433101 | -118.644768 | 2025-03-10T18:33:13Z | Y71 | 900Ppmgrd32wellH-1956B |
| 63 | 34.43446898 | -118.644828 | 2025-03-10T18:36:21Z | Y72 | 500Ppmgrd32wellH-2168-C |
| 64 | 34.43458498 | -118.645294 | 2025-03-10T18:39:15Z | Y73 | 500Ppmgrd32wellNOID |
| 65 | 34.43331596 | -118.646811 | 2025-03-10T18:48:39Z | Y74 | 500ppmgrd90surface |
| 66 | 34.43293501 | -118.651002 | 2025-03-10T17:19:09Z | Y83 | 612PPMGRD204WELLCV2350 |
| 67 | 34.43369298 | -118.64834 | 2025-03-10T16:32:32Z | Y85 | 625PPMGRD167WEllCV24068 |
| 68 | 34.43369701 | -118.648336 | 2025-03-10T16:38:29Z | Y86 | Y86PPM437WEllCV24083 |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1ST QTR /2025 | 1st Quarter 2025 | |
| Technician: | Stephen Bochers | D Hernandez | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500 ppm | 500 PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 174 | Y622 | CHFFp041 | 1680 | 3-10-25 | | 3/20/25 | 18.1 | | | | | |
| 173 | Y623 | RAMS P05 | 600 | | | | 31.9 | | | | | |
| 173 | Y624 | CHFFp036 | 600 | | | | 23.1 | | | | | |
| 157 | Y625 | RAMSP04 | 657 | | | | 23.4 | | | | | |
| 147 | Y626 | CCV24054 | 2,000 | | | | 168 | | | | | |
| 165 | Y627 | NO Number | 3,000 | | | | 46.5 | | | | | |
| 161 | Y628 | CV24173 | 1,100 | | | | 6.1 | | | | | |
| 77 | Y7 | CCV24120 | 605 | | | | 32.5 | | | | | |
| 203 | Y102 | Pipe Connection | 662 | | | | 113 | | | | | |
| 169 | Y103 | Pipe Connection | 500 | | | | 31.3 | | | | | |
| 169 | Y104 | Surface | 1,109 | | | | 483 | | | | | |
| 169 | Y105 | Pipe surface | 1,225 | | | | 421 | | | | | |
| 169 | Y106 | Surface | 557 | | | | 457 | | | | | |
| 169 | Y107 | Surface | 1,039 | | | | 11.1 | | | | | |
| 168 | Y108 | Surface | 1,003 | | | | 12.3 | | | | | |
| 170 | Y109 | Surface | 790 | | | | 301 | | | | | |
| 170 | Y110 | HSPS340 | 881 | | | | 155 | | | | | |
| 171 | Y111 | CHCV2302 | 690 | | | | 12.0 | | | | | |
| 171 | Y112 | Surface Pipe | 581 | | | | 33.4 | | | | | |
| 171 | Y113 | Surface pipe | 520 | | | | 19.9 | | | | | |
| 158 | Y114 | Surface | 1,573 | | | | 173 | | | | | |
| 158 | Y115 | Surface | 1,017 | | | | 55.1 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | 1st Quarter 2025 | |
| Technician: | Stephen Burchett | D Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 53 | Y116 | H-1804 | 590 | 3-10-25 | | 3/20/25 | 59.8 | | | | | |
| 53 | Y117 | Surface | 513 | | | | 15.2 | | | | | |
| 86 | Y18 | H61764S | 590 | | | | 11.9 | | | | | |
| 68 | Y19 | CV24202 | 801 | | | | 11.4 | | | | | |
| 162 | Y20 | CV24199 | 771 | | | | 111 | | | | | |
| 196 | Y21 | CV24105 | 843 | | | | 28.1 | | | | | |
| 196 | Y22 | CV24185 | 509 | | | | 31.1 | | | | | |
| 198 | Y23 | H2164A | 781 | | | | 40.8 | | | | | |
| 181 | Y42 | Surface | 1,356 | | | | 19.2 | | | | | |
| 181 | Y43 | Surface | 723 | | | | 14.8 | | | | | |
| 181 | Y44 | CV2357 | 5,475 | | | | 13.7 | | | | | |
| 181 | Y45 | Surface | 700 | | | | 29.4 | | | | | |
| 181 | Y46 | CV24143 | 856 | | | | 7.1 | | | | | |
| 181 | Y47 | 3305048 | 913 | | | | 23.8 | | | | | |
| 181 | Y48 | NOID | 500 | | | | 24.5 | | | | | |
| 175 | Y49 | CV24140 | 500 | | | | 29.4 | | | | | |
| 175 | Y50 | Surface | 700 | | | | 54.7 | | | | | |
| 175 | Y51 | CV2357 | 800 | | | | 12.1 | | | | | |
| 175 | Y52 | Surface | 800 | | | | 11.3 | | | | | |
| 175 | Y53 | NOID | 5,232 | | | | 97.4 | | | | | |
| 175 | Y54 | Surface | 900 | | | | 36.7 | | | | | |
| 176 | Y55 | NOID | 2456 | | | | 55.9 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1STQTR/2025 | 1st Quarter 2025 | |
| Technician: | Stephen Borchers | D Hernandez | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500 PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 175 | Y56 | TD-51630 | 952 | 3-10-25 | | 3/20/25 | 20.1 | | | | | |
| 176 | Y57 | surface | 500 | | | | 16.8 | | | | | |
| 176 | Y58 | surface | 9823 | | | | 20.6 | | | | | |
| 177 | Y59 | surface | 900 | | | | 11.1 | | | | | |
| 156 | Y60 | NOID | 913 | | | | 40.4 | | | | | |
| 156 | Y61 | surface | 560 | | | | 39.1 | | | | | |
| 156 | Y62 | NOID | 800 | | | | 19.3 | | | | | |
| 156 | Y63 | surface | 500 | | | | 17.1 | | | | | |
| 146 | Y641 | CV2449 | 500 | | | | 11.3 | | | | | |
| 84 | Y651 | CV2462 | 800 | | | | 12.4 | | | | | |
| 84 | Y661 | TD-40DL-W | 500 | | | | 17.6 | | | | | |
| 84 | Y671 | H17 | 800 | | | | 43.4 | | | | | |
| 30 | Y681 | surface | 600 | | | | 12.6 | | | | | |
| 30 | Y69 | H-19555 | 500 | | | | 41.3 | | | | | |
| 33 | Y70 | CV24109 | 600 | | | | 13.8 | | | | | |
| 32 | Y71 | H-19561 | 900 | | | | 23.5 | | | | | |
| 32 | Y72 | H-2168C | 500 | | | | 22.5 | | | | | |
| 32 | Y73 | NOID | 500 | | | | 97.1 | | | | | |
| 90 | Y74 | surface | 500 | | | | 9.6 | | | | | |
| 83 | Y83 | CV2350 | 612 | | | | 136 | | | | | |
| 85 | Y85 | CV24068 | 625 | | | | 136 | | | | | |
| 86 | Y86 | CV24083 | 5778 | | | | 42.1 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| Quarter / Year: | 1ST QTR / 2025 | 1ST QUARTER 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | D. Hernandez | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| .79 | 4221 | Surface | 999 | 3-10-25 | | 3/20/25 | 97.8 | | | | | |
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RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 3-20-25 TIME: 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.6 ppm | 3.9 ppm | 3.2 ppm |

Background Value = 3.2 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 501 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 6 |
| #3 | 501 ppm | 450 ppm | 6 |
| Calculate Response Time (1+2+3)/3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

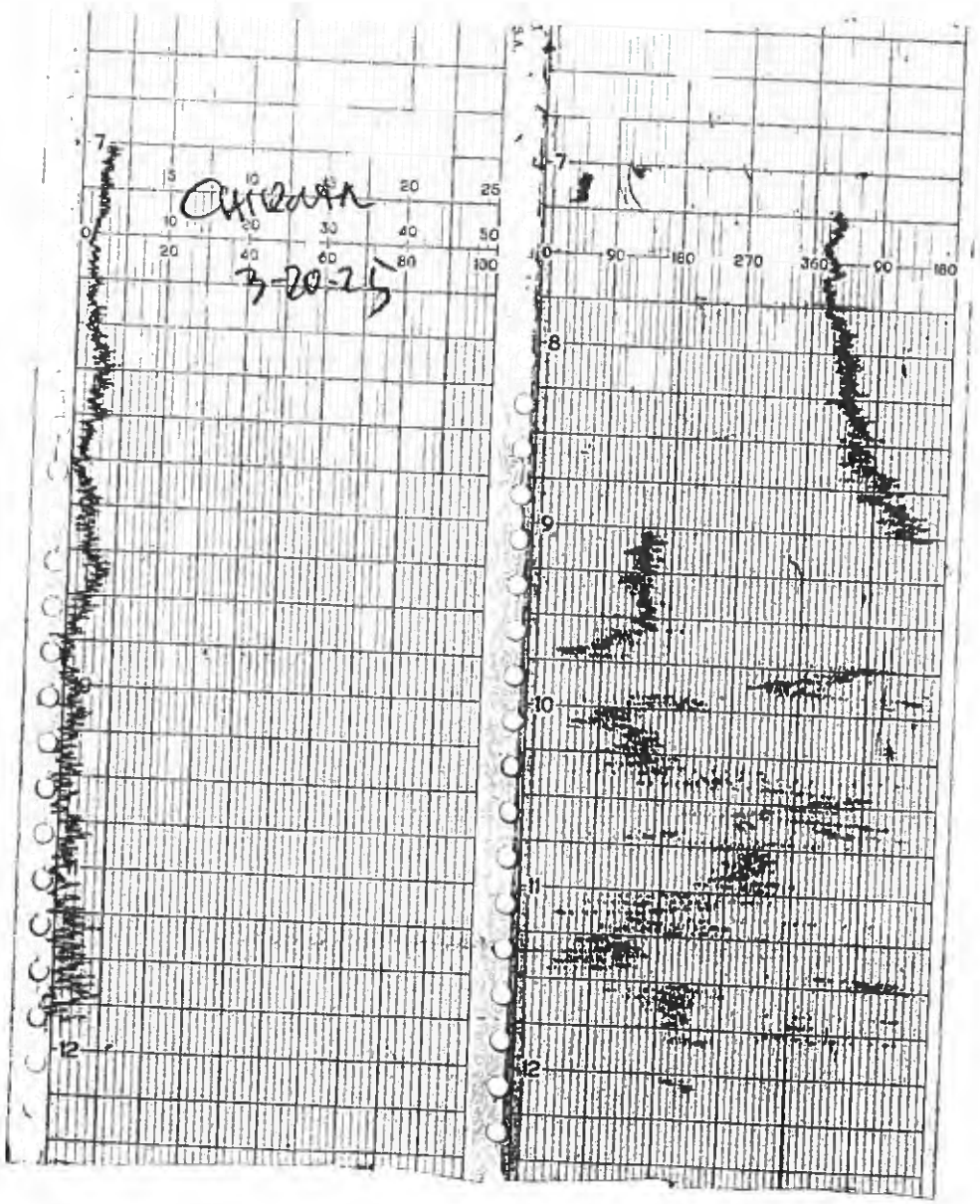
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.49 ppm | 501 ppm | 1 |
| #2 | 0.51 ppm | 501 ppm | 1 |
| #3 | 0.50 ppm | 501 | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.2 #DIV/0! Must be less than 10% |

Performed By: D. Hazlewood Date/Time: 0700

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 1st Quarter 2025 | |
| Technician: | Stephen Bacchus | D Hernandez | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 231 | Y81 | Surface | 551 | 3-11-25 | | 3/20/25 | 265 | | | | | |
| 231 | Y82 | CV24247 | 603 | | | | 371 | | | | | |
| 231 | Y83 | CH42305N | 590 | | | | 70.5 | | | | | |
| 230 | Y84 | surface | 1,045 | | | | 249 | | | | | |
| 229 | Y85 | surface | 780 | | | | 36.7 | | | | | |
| 227 | Y86 | surface | 559 | | | | 146 | | | | | |
| 59 | Y41 | CV29111 | 500 | | | | 15.6 | | | | | |
| 60 | Y42 | TDGEL090 | 600 | | | | 59.4 | | | | | |
| 60 | Y43 | NOID | 500 | | | | 130 | | | | | |
| 61 | Y44 | NOID | 500 | | | | 7.8 | | | | | |
| 40 | Y45 | CV2012 | 900 | | | | 235 | | | | | |
| 63 | Y46 | Surface | 500 | | | | 14.9 | | | | | |
| 63 | Y47 | surface | 600 | | | | 11.8 | | | | | |
| 63 | Y48 | CV3520 | 725 | | | | 44.8 | | | | | |
| 63 | Y49 | CV530 | 3,429 | | | | 123 | | | | | |
| 44 | Y161 | C-11 | 500 | | | | 13.9 | | | | | |
| 65 | Y162 | C-26 | 750 | | | | 117 | | | | | |
| 101 | Y61 | H2058E | 650 | | | | 106 | | | | | |
| 103 | Y62 | H2056D | 900 | | | | 126 | | | | | |
| 37 | Y1 | H2169E | 664 | | | | 71.3 | | | | | |
| 37 | Y2 | CV2205 | 616 | | | | 54.6 | | | | | |
| 38 | Y101 | CV2418 | 5,000 | | | | 192 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | 1st Quarter 2025 | |
| Technician: | Stephen Burchett | D. Hernandez | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500 PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 38 | Y102 | CV1703 | 1,900 | 3-11-25 | | 3/20/25 | 8.6 | | | | | |
| 92 | Y103 | CV81 | 1,600 | ↓ | | ↓ | 92.3 | | | | | |
| 51 | Y104 | CV06 | 1,000 | ↓ | | ↓ | 51.7 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 3-20-25 TIME: 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.6 ppm | 3.9 ppm | 3.2 ppm |

Background Value = 3.2 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 501 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 6 |
| #3 | 501 ppm | 450 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 6.0 #DIV/0! Must be less than 30 seconds |

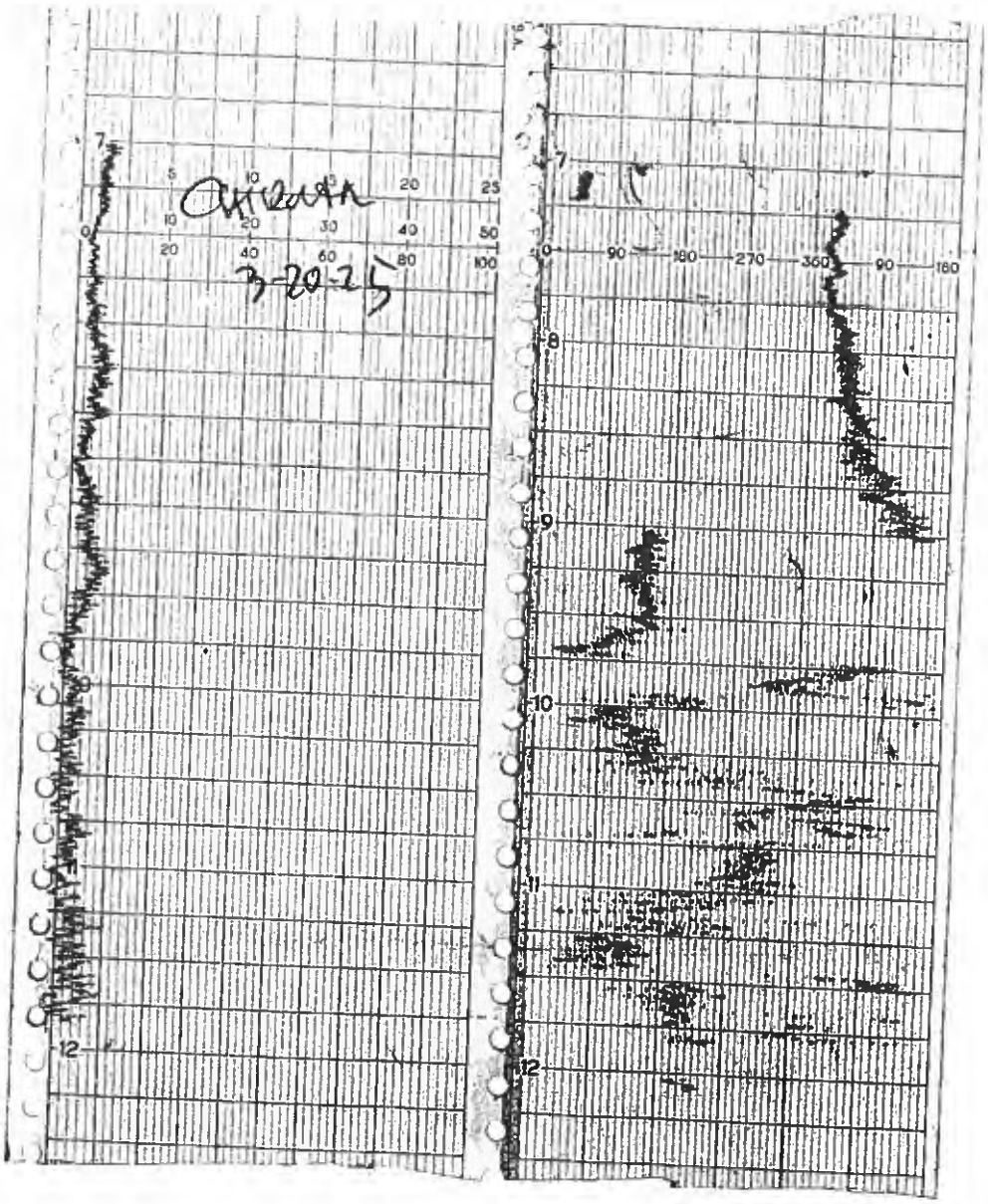
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.49 ppm | 501 ppm | 1 |
| #2 | 0.51 ppm | 501 ppm | 1 |
| #3 | 0.50 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.2 #DIV/0! Must be less than 10% |

Performed By: D. Hazelwood Date/Time: 0700

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita

Page 1 of 1 Pages

| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 80 | 69.49 | 3-17-25 | | | | | | | | |
| 174 | 82.68 | | | | | | | | | |
| 81 | 42.36 | | | | | | | | | |
| 82 | 43.00 | | | | | | | | | |
| 172 | 31.32 | | | | | | | | | |
| 159 | 98.99 | | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita

Page | of | Pages |

| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 1ST QTR / 2025 |
| Technician: | Stephen Borches | Stephen Borches |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25 ppm | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 80 | 69.49 | 3-17-25 | | 3-25-25 | 23.07 | | | | | |
| 174 | 82.68 | | | | 24.20 | | | | | |
| 81 | 42.36 | | | | 14.36 | | | | | |
| 82 | 43.00 | | | | 24.60 | | | | | |
| 172 | 31.32 | | | | 19.84 | | | | | |
| 159 | 98.89 | | | | 12.20 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: L1 SERIAL #: 1045045571

MONITORING DATE: 3-25-25 TIME: 0800

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 7.89 ppm | 8.13 ppm | 8.01 ppm |

Background Value = 8.01 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.3 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

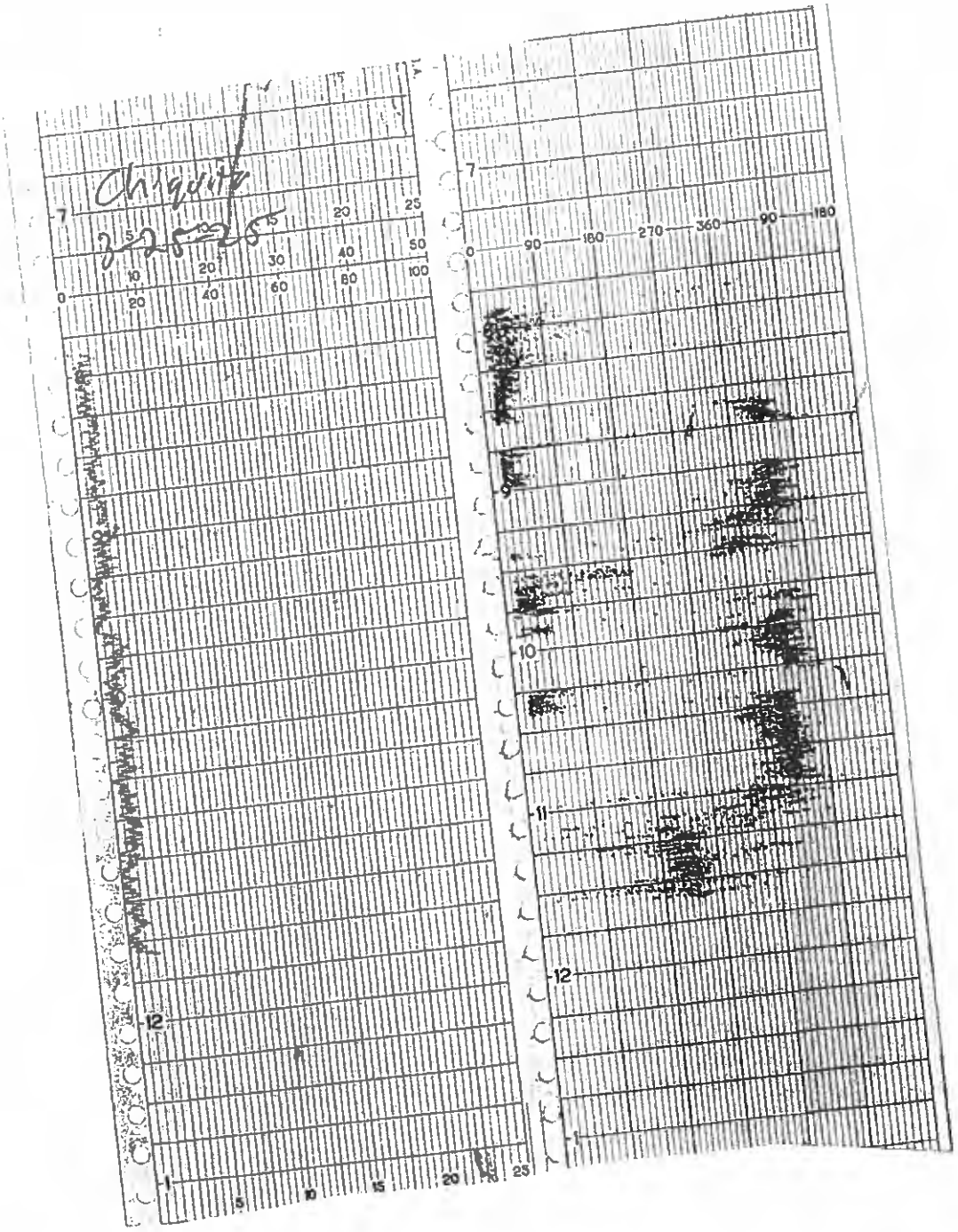
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 0.1 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.3 ppm | .7 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 2.1% #DIV/0! Must be less than 10% |

Performed By Stephen Borchers. Date/Time 3-25-25 / 0800

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 1st Qtr / 2025 | 1st Quarter 2025 | |
| Technician: | Stephen Baker | D Hernandez | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500 PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 166 | Y200 | CV24033 | 1,000 | 3-19-25 | | 3/26/25 | 380 | | | | | |
| 93 | Y21 | CV24093 | 600 | | | | 21.3 | | | | | |
| 214 | Y1 | H2163W | 900 | | | | 14.3 | | | | | |
| 214 | Y2 | CV24227 | 800 | | | | 19.7 | | | | | |
| 214 | Y3 | H2054W | 900 | | | | 54.8 | | | | | |
| 214 | Y4 | H2161W | 600 | | | | 163 | | | | | |
| 215 | Y5 | Surface | 800 | | | | 313 | | | | | |
| 208 | Y41 | Surface/pipe | 557 | | | | 43.8 | | | | | |
| 208 | Y42 | TD197 | 623 | | | | 343 | | | | | |
| 204 | Y43 | Surface/pipe | 590 | | | | 8.0 | | | | | |
| 204 | Y44 | Surface/pipe | 743 | | | | 101 | | | | | |
| 207 | Y45 | Surface/pipe | 815 | | | | 9.1 | | | | | |
| 166 | Y46 | Abandon well | 747 | | | | 26.9 | | | | | |
| 167 | Y47 | TD165 | 690 | | | | 56.3 | | | | | |
| 168 | Y48 | Surface/pipe | 768 | | | | 33.4 | | | | | |
| 187 | Y121 | Surface | 2133 | | | | 5.8 | | | | | |
| 184 | Y122 | NOID | 4213 | | | | 7.7 | | | | | |
| 184 | Y123 | CV24009 | 4123 | | | | 7.2 | | | | | |
| 186 | Y124 | NOID | 723 | | | | 7.1 | | | | | |
| 187 | Y125 | TP44DL44 | 742 | | | | 9.1 | | | | | |
| 187 | Y126 | NOID | 800 | | | | 13.9 | | | | | |
| 79 | Y41 | CV24466 | 500 | ✓ | | ↓ | 9.7 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | | | | 1st Quarter 2025 | | | | | | | | |
| Technician: | Stephen Bruchez | | | | D Hernandez | | | | | | | | |
| Instrument: | TVA 1000 | | | | TVA 1000 | | | | | | | | |
| Calibration Standard: | 500 ppm | | | | 500 PPM | | | | | | | | |
| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | | |
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | |
| 147 | Y82 | CV24054 | 510 | 3-19-25 | | 3/26/25 | 450 | | | | | | |
| 157 | Y83 | CV24046 | 521 | ↓ | | ↓ | 101 | | | | | | |
| 173 | Y84 | Unknown | 561 | | | | 8.3 | | | | | | |
| 173 | Y85 | Surface | 539 | | | | 8.9 | | | | | | |
| 174 | Y86 | CHIEDO41 | 522 | ↓ | | ↓ | 8.1 | | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #2 SERIAL #: 7784545

MONITORING DATE: 3-26-25 TIME: 0830

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.1 ppm | 3.5 ppm | 2.8 ppm |

Background Value = 2.8 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 501 ppm | 450 ppm | 5 |
| #2 | 501 ppm | 450 ppm | 5 |
| #3 | 501 ppm | 450 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 5.3 #DIV/0! Must be less than 30 seconds |

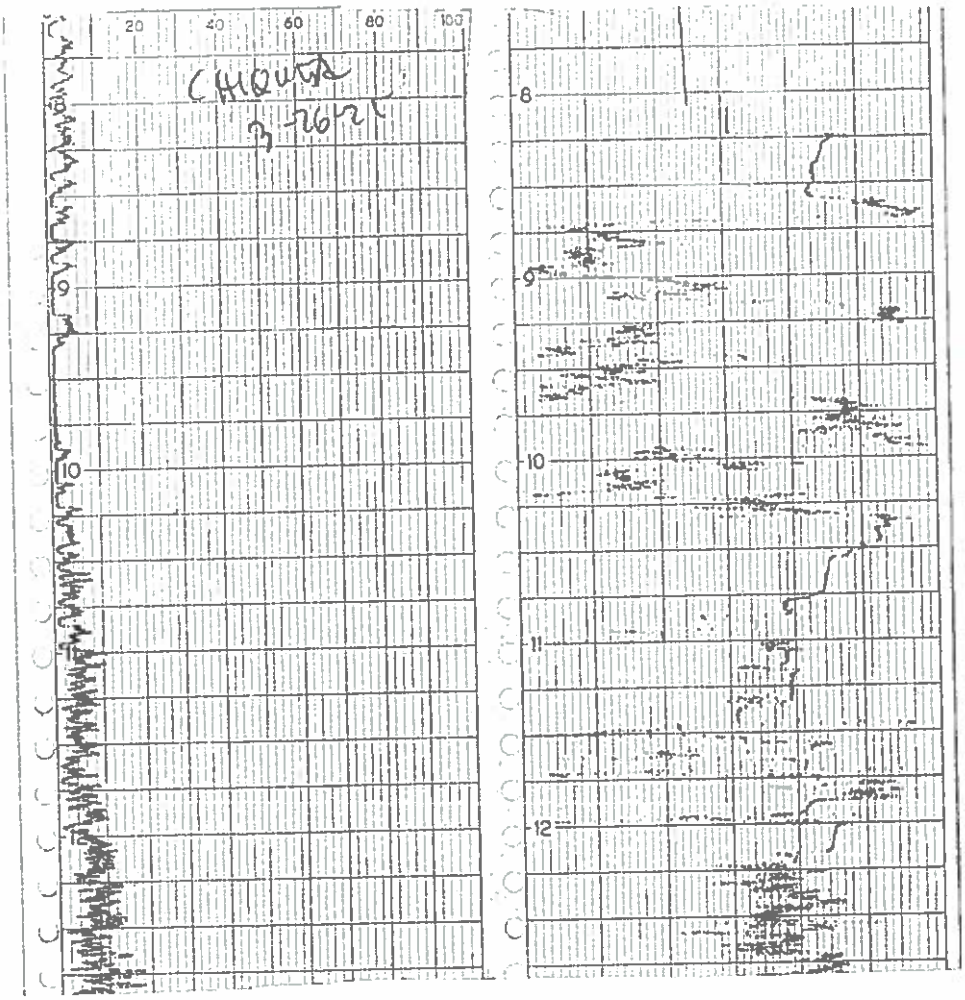
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.45 ppm | 501 ppm | 1 |
| #2 | 0.46 ppm | 501 ppm | 1 |
| #3 | 0.51 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.2 #DIV/0! Must be less than 10% |

Performed By: D. Hernandez Date/Time: 3-26-25 0830

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 1st Qtr / 2025 |
| Technician: | Stephen Barnes |
| Instrument: | TVA1000 |
| Calibration Standard: | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 166 | Y100 | CV24083 | 1,000 | 3-19-25 | | | | | | | | |
| 93 | Y21 | CV24093 | 600 | | | | | | | | | |
| 214 | Y1 | H2163W | 900 | | | | | | | | | |
| 214 | Y2 | CV24227 | 800 | | | | | | | | | |
| 214 | Y3 | H2054W | 900 | | | | | | | | | |
| 214 | Y4 | H2161W | 600 | | | | | | | | | |
| 215 | Y5 | surface | 900 | | | | | | | | | |
| 208 | Y41 | surface/pipe | 557 | | | | | | | | | |
| 208 | Y42 | TD197 | 623 | | | | | | | | | |
| 204 | Y43 | surface/pipe | 590 | | | | | | | | | |
| 204 | Y44 | surface/pipe | 743 | | | | | | | | | |
| 207 | Y45 | surface/pipe | 815 | | | | | | | | | |
| 166 | Y46 | Abandoned well | 747 | | | | | | | | | |
| 167 | Y47 | TD165 | 690 | | | | | | | | | |
| 168 | Y48 | surface/pipe | 768 | | | | | | | | | |
| 137 | Y121 | surface | 2133 | | | | | | | | | |
| 184 | Y122 | NOID | 4213 | | | | | | | | | |
| 184 | Y123 | CV24009 | 4123 | | | | | | | | | |
| 186 | Y124 | NOID | 723 | | | | | | | | | |
| 187 | Y125 | TP44044 | 742 | | | | | | | | | |
| 187 | Y126 | NOID | 800 | | | | | | | | | |
| 79 | Y61 | CV24463 | 500 | ✓ | | | | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 1st QTR / 2025 |
| Technician: | Stephen Burchett |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 147 | Y82 | CV2405 | 510 | 3-16-25 | | | | | | | | |
| 157 | Y83 | CV2406 | 521 | ↓ | | | | | | | | |
| 173 | Y84 | unknown | 561 | | | | | | | | | |
| 173 | Y85 | surface | 539 | | | | | | | | | |
| 174 | Y86 | CNLFD041 | 522 | | | | | | | | | |

3-19-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.431222 | -118.649878 | 2025-03-19T17:25:21Z | Y01 | 900 Ppm grid 214-well h2163w |
| 2 | 34.43103701 | -118.649767 | 2025-03-19T17:33:43Z | Y02 | 800Ppm grid 214-well cv24227 |
| 3 | 34.43113902 | -118.650244 | 2025-03-19T17:41:03Z | Y03 | 900Ppm grid 214-well h2059w |
| 4 | 34.43098303 | -118.650246 | 2025-03-19T17:46:09Z | Y04 | 600 Ppm grid 214-well h2161w |
| 5 | 34.43103299 | -118.650544 | 2025-03-19T17:52:29Z | Y05 | 800Ppm grid 215-surface |
| 6 | 34.43624804 | -118.650451 | 2025-03-19T16:51:57Z | Y121 | 2133Ppmgrd187surface |
| 7 | 34.43607797 | -118.650145 | 2025-03-19T17:09:29Z | Y122 | 4213Ppmgrd184wellnoid |
| 8 | 34.43693301 | -118.649348 | 2025-03-19T17:45:03Z | Y123 | 4123Ppmgrd184wellCV-24009 |
| 9 | 34.43663201 | -118.649532 | 2025-03-19T17:54:21Z | Y124 | 723Ppmgrd186wellnoid |
| 10 | 34.43606498 | -118.649365 | 2025-03-19T18:06:06Z | Y125 | 742Ppmgrd187wellTd:44DL:44 |
| 11 | 34.43571302 | -118.649244 | 2025-03-19T18:09:06Z | Y126 | 800Ppmgrd187wellnoid |
| 12 | 34.43373799 | -118.648322 | 2025-03-19T17:36:04Z | Y200 | 1000Ppmgrd166wellcv24083 |
| 13 | 34.43404997 | -118.646347 | 2025-03-19T16:12:10Z | Y21 | Ppm600wellcv2403grid83 |
| 14 | 34.43257802 | -118.65059 | 2025-03-19T16:29:51Z | Y41 | Ppm550grd208surfacepipe |
| 15 | 34.43233897 | -118.650559 | 2025-03-19T16:38:21Z | Y42 | Ppm623grd208wellTD93 |
| 16 | 34.43271901 | -118.650632 | 2025-03-19T16:53:43Z | Y43 | Ppm590grd204surfacepipe |
| 17 | 34.43283602 | -118.650874 | 2025-03-19T17:04:15Z | Y44 | Ppm743grd204surfacepipe |
| 18 | 34.43237702 | -118.651092 | 2025-03-19T17:16:58Z | Y45 | Ppm815grd207surfacepipe |
| 19 | 34.43370497 | -118.648463 | 2025-03-19T18:10:09Z | Y46 | Ppm747grd166wellabandondwell |
| 20 | 34.43332099 | -118.649353 | 2025-03-19T18:23:19Z | Y47 | Ppm690grd167welltd165 |
| 21 | 34.43307398 | -118.649835 | 2025-03-19T18:33:58Z | Y48 | Ppm798grd168surfacepipe |
| 22 | 34.43767296 | -118.646501 | 2025-03-19T16:14:27Z | Y81 | Ppm500grid78wellcvsm4963 |
| 23 | 34.43566198 | -118.647166 | 2025-03-19T16:53:34Z | Y82 | Ppm500ggrid147wellcv24054 |
| 24 | 34.43513098 | -118.648345 | 2025-03-19T17:11:49Z | Y83 | Ppm500grid157cv24046 |
| 25 | 34.43445104 | -118.649902 | 2025-03-19T17:36:27Z | Y84 | Ppm500grid173unknownsurface |
| 26 | 34.43443604 | -118.650014 | 2025-03-19T17:47:25Z | Y85 | Ppm500grid173usurface |
| 27 | 34.43403396 | -118.650634 | 2025-03-19T17:54:48Z | Y86 | Ppm500grid174wellchlfp041 |

# CHIQUITA CANYON LANDFILL (1150.1)
## PERIMETER GAS MONITORING DATA SHEET

101

Date 3-18-25 | Weather Conditions Sunny & Clear

Technician Robert Johns | Temp 65 °F

Inst.: GEM Model 5000 | Wind Speed (MPH) & Direction 12 / N

Serial # GA5005S0 | Barometric Pressure 30.25 in Hg

| Probe Number | Time | Date | CH4% (% Vol) | CO2% | O2% | Bal % | Evac Pumps | Pressure (+/- in w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-A - 10 | 0924 | 3-18-25 | 0.0 | 0.1 | 21.8 | 78.1 | 6 | -.46 | |
| 51 | 0926 | | 0.0 | 0.1 | 21.8 | 78.1 | 19 | -.07 | |
| 102 | 0928 | | 0.0 | 0.1 | 21.7 | 78.2 | 39 | -.02 | |
| 151.5 | 0930 | | 0.0 | 0.1 | 21.7 | 78.3 | 95 | -.41 | |
| GP-1R - 26 | 1108 | | 0.0 | 0.1 | 21.0 | 78.9 | 16 | .0 | |
| 38 | 1111 | | 0.0 | 0.1 | 21.2 | 78.7 | 25 | +.01 | |
| 47 | 1113 | | 0.0 | 0.1 | 21.1 | 78.8 | 18 | -.03 | |
| GP-2 - 15.5 | 1054 | | 0.0 | 0.2 | 17.7 | 82.1 | 16 | +.02 | |
| 44.5 | 1101 | | 0.0 | 0.2 | 21.3 | 78.5 | 18 | .0 | |
| 53 | 1103 | | 0.0 | 0.1 | 21.5 | 78.4 | 19 | -.01 | |
| GP-5 - 10 | 1042 | | 0.0 | 3.9 | 17.6 | 78.2 | 6 | -.04 | |
| 45 | 1044 | | 0.0 | 0.1 | 21.5 | 78.4 | 18 | -.13 | |
| 93 | 1046 | | 0.0 | 7.9 | 13.4 | 78.8 | 64 | -.0 | |
| GP-6 - 10 | 1034 | | 0.0 | 0.4 | 20.9 | 78.7 | 6 | .0 | |
| 30 | 1036 | | 0.0 | 0.9 | 20.7 | 78.4 | 20 | -.06 | |
| 60 | 1038 | | 0.0 | 0.1 | 21.3 | 78.7 | 41 | -.93 | |
| GP-7 - 10 | 1026 | | 0.0 | 0.4 | 20.5 | 79.2 | 6 | -.06 | |
| 30 | 1028 | | 0.0 | 1.6 | 17.2 | 81.2 | 20 | -.12 | |
| 60 | 1030 | | 0.0 | 0.1 | 21.2 | 78.7 | 41 | -.76 | |
| GP-8 - 10 | 1015 | | 0.0 | 0.5 | 21.0 | 78.6 | 6 | .0 | |
| 60 | 1017 | | 0.0 | 0.1 | 21.1 | 78.8 | 41 | -.73 | |
| 120 | 1019 | | 0.0 | 0.1 | 21.3 | 78.6 | 75 | -2.34 | |
| GP-9 - 25 | 1007 | | 0.0 | 0.1 | 21.4 | 78.5 | 16 | -.52 | |
| 55 | 1009 | | 0.0 | 0.1 | 21.4 | 78.5 | 20 | -.44 | |
| 83 | 1011 | | 0.0 | 0.1 | 21.4 | 78.5 | 51 | -.09 | |
| GP-10 - 22 | 0935 | | 0.0 | 2.2 | 19.0 | 78.8 | 17 | -.10 | |
| 37 | 0937 | | 0.0 | 1.4 | 18.6 | 80.1 | 26 | -1.45 | |
| 63 | 0939 | | 0.0 | 0.1 | 21.6 | 78.4 | 42 | -1.15 | |
| 87 | 0941 | | 0.0 | 0.1 | 21.6 | 78.4 | 59 | -1.03 | |
| GP-11 - 10 | 0909 | | 0.0 | 0.8 | 21.4 | 77.8 | 6 | -.67 | |
| 70 | 0911 | | 0.0 | 1.6 | 20.5 | 77.9 | 49 | -1.70 | |
| 141 | 0915 | | 0.0 | 0.1 | 22.2 | 77.7 | 102 | -1.90 | |
| 208 | 0917 | V | 0.0 | 0.1 | 22.1 | 77.8 | 137 | -1.28 | |

# CHIQUITA CANYON LANDFILL (1150.1)
# PERIMETER GAS MONITORING DATA SHEET

101

Date 3-18-25 Weather Conditions Sunny & Clear

Technician Richard Jolliff Temp 65 °F

Inst GEM Model 5200 Wind Speed (MPH) & Direction 12 / N

Serial # G5C0530 Barometric Pressure 30.25 in Hg

| Probe Number | Time | Date | CH4% (% Vol) | CO2% | O2% | Bal.% | Evac Pumps | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-12 - 12 | 0856 | 3-18-25 | 0.0 | 0.2 | 22.3 | 77.6 | 4 | -.01 | |
| 38 | 0858 | | 0.0 | 0.1 | 22.4 | 77.5 | 26 | +.30 | |
| 74 | 0900 | | 0.0 | 0.1 | 22.5 | 77.5 | 50 | +.05 | |
| 110 | 0902 | | 0.0 | 0.1 | 22.5 | 77.5 | 75 | -.05 | |
| 224 | 0904 | | 0.0 | 0.1 | 22.5 | 77.5 | 171 | +.26 | |
| GP-13 - 10 | 0800 | | 0.0 | 7.6 | 14.6 | 77.8 | 6 | -.01 | |
| 29 | 0806 | | 0.6 | 20.4 | 5.8 | 73.2 | 19 | -.11 | |
| 58 | 0812 | | 19.7 | 15.8 | 9.0 | 55.4 | 39 | -.96 | |
| 87 | 0817 | | 20.1 | 9.5 | 7.5 | 62.9 | 59 | -1.04 | |
| 173 | 0822 | | 0.0 | 0.1 | 21.6 | 78.4 | 109 | -1.62 | |
| GP-14 - 10 | 0834 | | 0.0 | 0.2 | 21.3 | 78.5 | 6 | -.01 | |
| 23 | 0836 | | 0.0 | 0.4 | 20.8 | 78.8 | 15 | +.01 | |
| 44 | 0838 | | 0.0 | 2.0 | 18.1 | 80.0 | 30 | -.11 | |
| 67 | 0842 | | 2.9 | 5.6 | 10.8 | 80.7 | 46 | -.41 | |
| 134 | 0844 | | 0.0 | 0.1 | 21.9 | 78.0 | 92 | -1.73 | |

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

RES Environmental Inc.

# GEM 5000 CALIBRATION

**TECHNICIAN:** ROBERT JOHNS

**CALIBRATION DATE:** 3/18/2025

**SITE:** CHIQUITA CANYON LANDFILL

**TIME:** 5:00AM

**GEM 5000 SERIAL #:** G500530

| | | UNCORRECTED READING | CORRECTED READING |
|---|---|---|---|
| $CH_4$ | 15% | 15% | 15% |
| $CO_2$ | 15% | 15% | 15% |
| $O_2$ | 4% | 4% | 4% |

865 Via Lata • Colton, California 92324 • (909) 422-1001 Fax (909) 422-0707

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Borches |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 171 | 35.71 | 3-24-25 | | | | | | | | |
| 169 | 103 | | | | | | | | | |
| 181 | 48.45 | | | | | | | | | |
| 151 | 71.03 | | | | | | | | | |
| 176 | 32.00 | | | | | | | | | |
| 166 | 39.40 | | | | | | | | | |
| 184 | 77.46 | | | | | | | | | |
| 202 | 30.52 | | | | | | | | | |
| 149 | 29.72 | | | | | | | | | |
| 147 | 54.50 | | | | | | | | | |
| 82 | 131 | | | | | | | | | |
| 83 | 32.92 | | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 2nd QTR / 2025 | | | | | | | | | | | |
| Technician: | Stephen Borches | Stephen Borches | | | | | | | | | | | |
| Instrument: | TVA1000 | FLA1000 | | | | | | | | | | | |
| Calibration Standard: | 25ppm | 25ppm | | | | | | | | | | | |
| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | | | | |
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm | | | |
| 171 | 35.71 | 3-24-25 | | 4-3-25 | 12.61 | | | | | | | | |
| 169 | 103 | | | | 15.05 | | | | | | | | |
| 181 | 48.45 | | | | 14.40 | | | | | | | | |
| 151 | 71.03 | | | | 10.90 | | | | | | | | |
| 176 | 32.00 | | | | | 31.50 | | | | | | | |
| 166 | 39.40 | | | | 22.40 | | | | | | | | |
| 184 | 77.46 | | | | 11.03 | | | | | | | | |
| 202 | 30.52 | | | | 14.20 | | | | | | | | |
| 149 | 29.72 | | | | | 30.40 | | | | | | | |
| 147 | 54.50 | | | | 6.21 | | | | | | | | |
| 82 | 13.1 | | | | 7.30 | | | | | | | | |
| 83 | 32.92 | | | | 9.40 | | | | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 2 SERIAL #: 7784545

MONITORING DATE: 4-3-25 TIME 0730

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.43 ppm | 6.13 ppm | 5.78 ppm |

Background Value = 5.78 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.4 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 1.0 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.4 ppm | .6 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 2% #DIV/0! Must be less than 10% |

Performed By: Stephen Borders Date/Time 4-3-25 / 0730

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Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 7 SERIAL #: 0720723627

MONITORING DATE: 4-3-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.73 ppm | 7.57 ppm | 7.12 ppm |

Background Value = 7.12 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.5 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

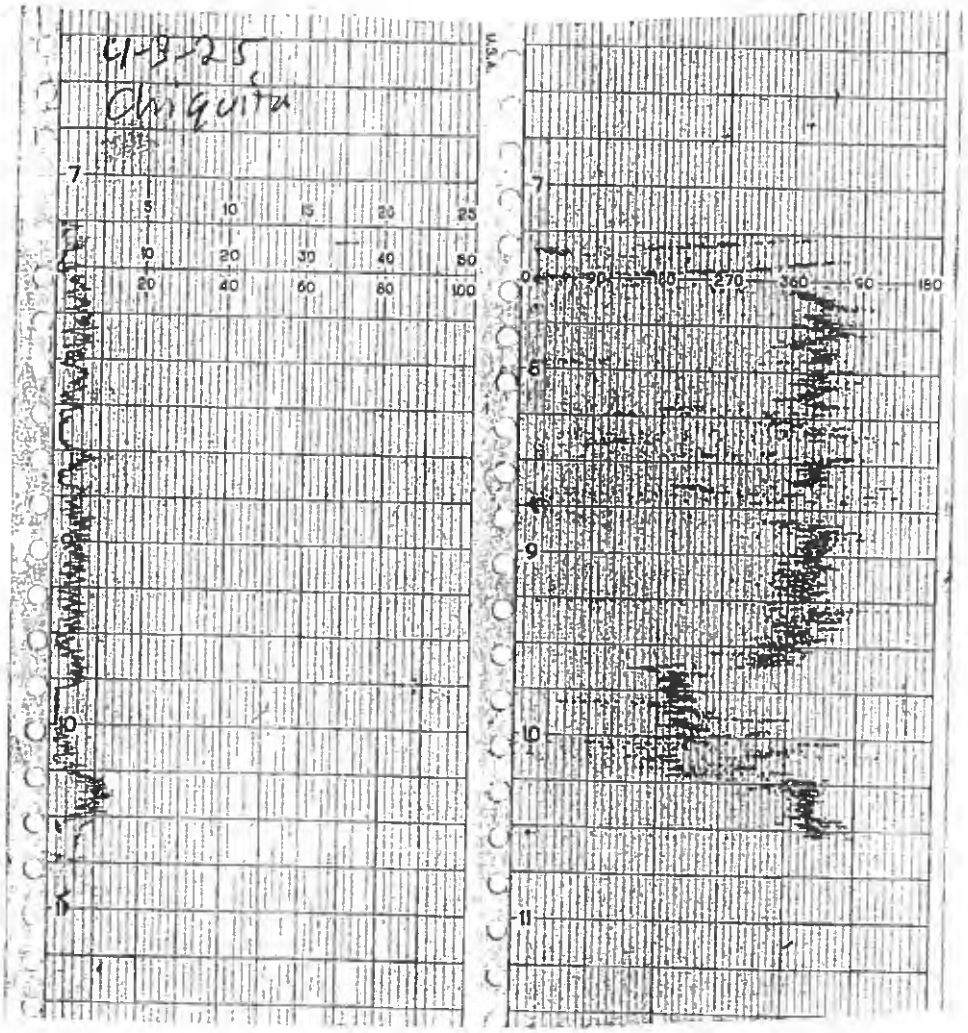
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24 ppm | 1 |
| #2 | 0.1 ppm | 25 ppm | 0 |
| #3 | 1.1 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 2% #DIV/0! Must be less than 10% |

Performed By: Stephen Brookes Date/Time: 4-3-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Barnes |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 77 | 34.72 | 3-25-25 | | | | | | | | |
| 80 | 33.07 | ↓ | | | | | | | | |
| 209 | 36.36 | | | | | | | | | |
| 210 | 38.28 | | | | | | | | | |
| 211 | 78.85 | | | | | | | | | |
| 197 | 32.93 | | | | | | | | | |
| 163 | 34.75 | | | | | | | | | |
| 84 | 30.55 | | | | | | | | | |
| 167 | 40.00 | | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 2nd QTR / 2025 |
| Technician: | Stephen Barnes | Stephen Barnes |
| Instrument: | TVA 1000 | TVA1000 |
| Calibration Standard: | 25ppm | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd >25 ppm |
| 77 | 34.72 | 3-25-25 | | 4-3-25 | 21.09 | | | | | |
| 80 | 33.07 | | | | | 47.02 | | | | |
| 209 | 36.36 | | | | 13.50 | | | | | |
| 210 | 38.28 | | | | 22.45 | | | | | |
| 211 | 78.85 | | | | 21.99 | | | | | |
| 197 | 32.93 | | | | 22.60 | | | | | |
| 163 | 34.75 | | | | 22.78 | | | | | |
| 84 | 30.55 | | | | 18.40 | | | | | |
| 167 | 40.00 | ↓ | | ↓ | 13.60 | | | | | |

RES Environmental Inc

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 2 SERIAL #: 7784545

MONITORING DATE: 4-3-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.43 ppm | 6.13 ppm | 5.78 ppm |

Background Value = 5.78 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.4 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 1.0 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.4 ppm | .6 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 2% #DIV/0! Must be less than 10% |

Performed By Stephen Borchers Date/Time 4-3-25 / 0730

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquito INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 7 SERIAL # 0720723627

MONITORING DATE: 4-3-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.73 ppm | 7.57 ppm | 7.12 ppm |

Background Value = 7.12 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.5 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

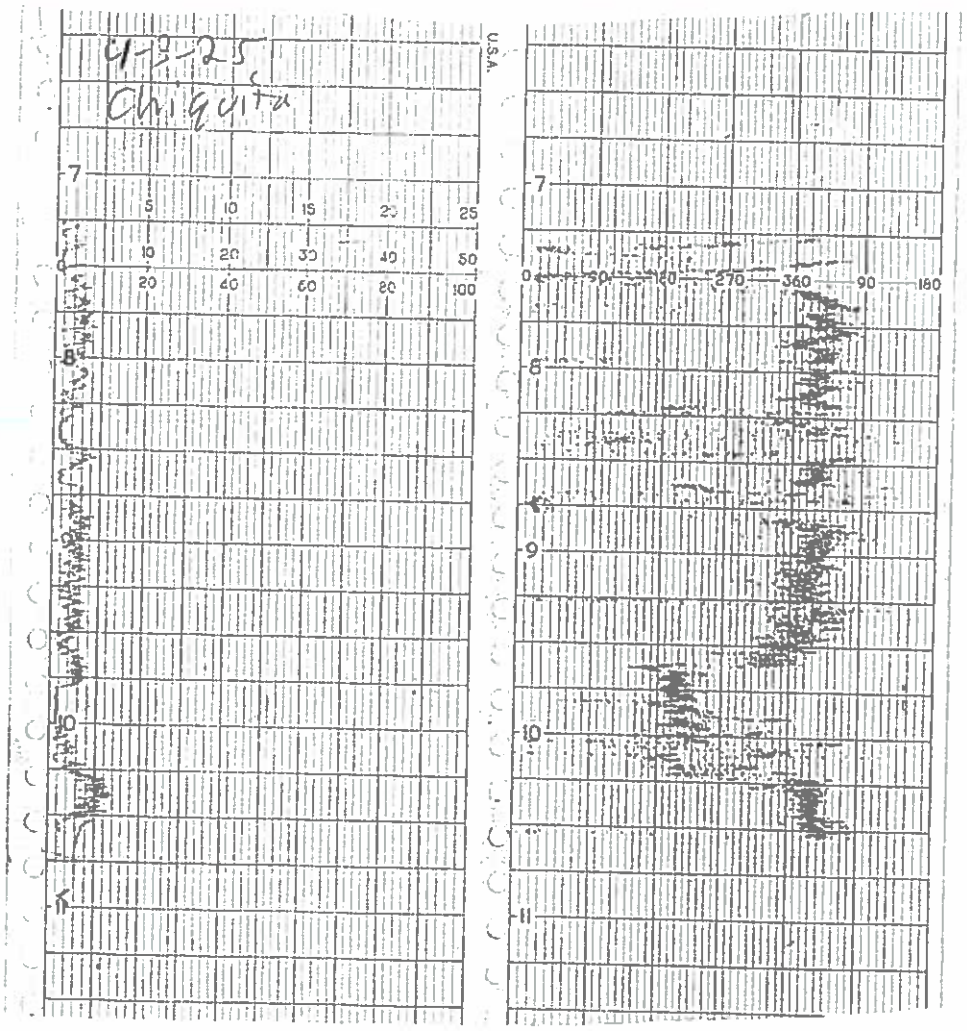
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24 ppm | 1 |
| #2 | 0.1 ppm | 25 ppm | 0 |
| #3 | 1.1 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 2% #DIV/0! Must be less than 10% |

Performed By Stephen Bivins Date/Time 4-3-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 173 | Y41 | CHEFP039 | 591 | 3-26-25 | | | | | | | | |
| 157 | Y42 | 24-V135 | 886 | | | | | | | | | |
| 147 | Y43 | CCV24054 | 986 | | | | | | | | | |
| 178 | Y1 | CV24020 | 1,730 | | | | | | | | | |
| 165 | Y5 | CV24170 | 500 | | | | | | | | | |
| 208 | Y8 | 208 | 600 | | | | | | | | | |
| 89 | Y101 | Surface | 643 | | | | | | | | | |
| 89 | Y102 | Surface | Y607 | | | | | | | | | |
| 162 | Y103 | CV24199 | 706 | | | | | | | | | |
| 214 | Y104 | Pipe/surface | 553 | | | | | | | | | |
| 214 | Y105 | Pipe/surface | 503 | | | | | | | | | |
| 214 | Y106 | surface | 499 | | | | | | | | | |
| 215 | Y107 | Surface | 517 | | | | | | | | | |
| 194 | Y108 | CV24116 | 501 | | | | | | | | | |
| 171 | Y61 | CV24060 | 3,000 | | | | | | | | | |
| 148 | Y62 | CV2305 | 2,000 | | | | | | | | | |
| 53 | Y63 | H1804A | 1,300 | | | | | | | | | |
| 53 | Y64 | TD205 | 1,500 | | | | | | | | | |
| 81 | Y65 | H19550 | 800 | | | | | | | | | |
| 82 | Y66 | NO Name | 4,000 | | | | | | | | | |
| 154 | Y67 | CV2484 | 3,000 | | | | | | | | | |
| 166 | Y68 | CV24083 | 4,000 | √ | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 1ST QTR/ 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 166 | Y69 | Abandon | 4,000 | 3-26-25 | | | | | | | | |
| 167 | Y70 | CV2301 | 1,800 | | | | | | | | | |
| 167 | Y71 | CV24068 | 4,000 | | | | | | | | | |
| 204 | Y72 | CV2350 | 2,000 | | | | | | | | | |
| 207 | Y73 | Pipe | 4,000 | | | | | | | | | |
| 181 | Y21 | Steelpipe | 7,831 | | | | | | | | | |
| 181 | Y22 | Steelpipe | 20,000 | | | | | | | | | |
| 181 | Y23 | CV2352 | 10,000 | | | | | | | | | |
| 181 | Y24 | Steelpipe | 30,000 | | | | | | | | | |
| 175 | Y25 | CV24134 | 1,600 | | | | | | | | | |
| 175 | Y26 | CV24140 | 10,000 | | | | | | | | | |
| 175 | Y27 | Steelpipe | 60,000 | | | | | | | | | |
| 175 | Y28 | CV23424 | 2,200 | | | | | | | | | |
| 176 | Y29 | CV1602A | 2,000 | | | | | | | | | |
| 176 | Y30 | CV2339 | 2,600 | | | | | | | | | |
| 156 | Y31 | CV24039 | 16,000 | | | | | | | | | |
| 156 | Y32 | Steelpipe | 4,300 | | | | | | | | | |
| 156 | Y33 | RAMSP02 | 13,000 | | | | | | | | | |
| 156 | Y34 | RAMSP03 | 4,072 | | | | | | | | | |
| 156 | Y35 | CV24040 | 2,400 | | | | | | | | | |
| 150 | Y36 | RAMSP01 | 4,600 | | | | | | | | | |
| 150 | Y37 | CV2306 | 600 | | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | | |
| Technician: | Stephen Borchers | | |
| Instrument: | TVA 1000 | | |
| Calibration Standard: | 500ppm | | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 150 | 438 | CV24028 | 10,080 | 3-26-25 | | | | | | | | |
| 145 | 439 | CCV24030 | 1,200 | | | | | | | | | |
| 145 | 440 | 1952 N | 2,200 | | | | | | | | | |
| 77 | 4161 | CCNSMH02 | 2,017 | | | | | | | | | |
| 77 | 4162 | Unmarked | 587 | | | | | | | | | |
| 77 | 4163 | CCNSMH01 | 568 | | | | | | | | | |
| 78 | 4164 | CV24122 | 623 | | | | | | | | | |
| 78 | 4165 | Steelpipe | 7,200 | | | | | | | | | |
| 78 | 4166 | surface | 1,000 | | | | | | | | | |
| 79 | 4177 | CV48R | 2,150 | | | | | | | | | |
| 80 | 4178 | H1 | 1,500 | ✓ | | | | | | | | |
| 173 | 441 | CHIFP054 | 591 | | | | | | | | | |
| 157 | 442 | 29-4/135 | 886 | | | | | | | | | |
| 147 | 443 | CCV24054 | 986 | | | | | | | | | |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |

3-26-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43605701 | -118.64936 | 2025-03-26T17:27:51Z | Y1 | Ppm1730grd178 |
| 2 | 34.43262203 | -118.646225 | 2025-03-26T16:01:04Z | Y101 | Ppm643grd89surface |
| 3 | 34.43263996 | -118.646313 | 2025-03-26T16:05:19Z | Y102 | Ppm1607grd89surface |
| 4 | 34.43184896 | -118.647318 | 2025-03-26T16:44:14Z | Y103 | Ppm706grd162wellcv-24199 |
| 5 | 34.43099502 | -118.649838 | 2025-03-26T17:40:15Z | Y104 | Ppm553grd214surface/pipe |
| 6 | 34.43111898 | -118.650387 | 2025-03-26T17:56:29Z | Y105 | Ppm503grd214surfacepipe |
| 7 | 34.431236 | -118.650396 | 2025-03-26T18:01:39Z | Y106 | Ppm499grd214surface |
| 8 | 34.43126298 | -118.650451 | 2025-03-26T18:05:15Z | Y107 | Ppm512grd215surface |
| 9 | 34.43172097 | -118.645723 | 2025-03-26T18:38:34Z | Y108 | Ppm501grd194wellcv-24116 |
| 10 | 34.43695002 | -118.647682 | 2025-03-26T18:20:38Z | Y161 | 2017Ppmgrd77wellccnsmp02 |
| 11 | 34.43701196 | -118.647646 | 2025-03-26T18:26:43Z | Y162 | 587Ppmgrd77wellunmarked |
| 12 | 34.437262 | -118.646956 | 2025-03-26T18:33:35Z | Y163 | 568Ppmgrd77wellccnsmp01 |
| 13 | 34.43732126 | -118.6467459 | 2025-03-26T18:37:46Z | Y164 | 623PPM CV24122 |
| 14 | 34.43718798 | -118.646607 | 2025-03-26T18:40:07Z | Y165 | 623Ppmgrd78wellcv24122 |
| 15 | 34.43768998 | -118.646417 | 2025-03-26T18:47:46Z | Y166 | 1000Ppmgrd78surface |
| 16 | 34.437349 | -118.645864 | 2025-03-26T18:51:08Z | Y167 | 2150Ppmgrd79wellcv48r |
| 17 | 34.43777002 | -118.644203 | 2025-03-26T18:57:41Z | Y168 | 1500Ppmgrd80wellh1 |
| 18 | 34.43510802 | -118.650925 | 2025-03-26T15:59:50Z | Y21 | 7831Ppmgrd181steelpipe |
| 19 | 34.43488698 | -118.65093 | 2025-03-26T16:02:37Z | Y22 | 70000Ppmgrd181steelpipe |
| 20 | 34.43490802 | -118.651036 | 2025-03-26T16:06:02Z | Y23 | 10000Ppmgrd181wellcv2352 |
| 21 | 34.43517298 | -118.651153 | 2025-03-26T16:10:00Z | Y24 | 30000Ppmgrd181steelpipe |
| 22 | 34.43436404 | -118.651208 | 2025-03-26T16:24:48Z | Y25 | 1600Ppmgrd175wellcv24138 |
| 23 | 34.43472899 | -118.651111 | 2025-03-26T16:29:41Z | Y26 | 10000Ppmgrd175wellcv24140 |
| 24 | 34.43457702 | -118.650769 | 2025-03-26T17:07:18Z | Y27 | 60000Ppmgrd175steelpipe |
| 25 | 34.43428801 | -118.650836 | 2025-03-26T16:35:11Z | Y28 | 2700Ppmgrd175wellcv2342a |
| 26 | 34.43466101 | -118.650301 | 2025-03-26T16:41:12Z | Y29 | 2000Ppmgrd176wellcv1902a |
| 27 | 34.43490199 | -118.650481 | 2025-03-26T16:44:17Z | Y30 | 2600Ppmgrd176wellcv2338 |
| 28 | 34.43534397 | -118.64868 | 2025-03-26T17:00:34Z | Y31 | 16000Ppmgrd156wellcv24039 |
| 29 | 34.43554597 | -118.648866 | 2025-03-26T17:13:24Z | Y32 | 4300Ppmgrd156steelpipe |
| 30 | 34.43557899 | -118.648878 | 2025-03-26T17:15:29Z | Y33 | 13000Ppmgrd156wellramsp02 |
| 31 | 34.435436 | -118.648338 | 2025-03-26T17:18:40Z | Y34 | 4032Ppmgrd156wellramsp03 |
| 32 | 34.43570204 | -118.648387 | 2025-03-26T17:21:43Z | Y35 | 2100Ppmgrd156wellcv24040 |
| 33 | 34.43607998 | -118.648325 | 2025-03-26T17:45:02Z | Y36 | 4600Ppmgrd150wellrasmp01 |
| 34 | 34.43612801 | -118.648412 | 2025-03-26T17:47:49Z | Y37 | 600Ppmgrd150wellcv2206 |
| 35 | 34.43639003 | -118.648486 | 2025-03-26T17:55:05Z | Y38 | 60000Ppmgrd150wellcv24028 |
| 36 | 34.43669303 | -118.647911 | 2025-03-26T18:04:00Z | Y39 | 1300Ppmgrd145wellccv24030 |
| 37 | 34.43636396 | -118.647659 | 2025-03-26T18:11:23Z | Y40 | 2200Ppmgrd145well1952n |
| 38 | 34.43433998 | -118.649521 | 2025-03-26T16:17:20Z | Y41 | Ppm591grid173wellchifp039 |
| 39 | 34.43476603 | -118.648402 | 2025-03-26T16:34:54Z | Y42 | Ppm886grid157well29-1/135 |
| 40 | 34.435695 | -118.647167 | 2025-03-26T16:45:27Z | Y43 | 986ppmgrid147ccv24054well |
| 41 | 34.43313701 | -118.648487 | 2025-03-26T16:49:50Z | Y5 | Y5 PPM500WEllCV24170 |
| 42 | 34.43405399 | -118.648764 | 2025-03-26T15:55:37Z | Y61 | 3000PPM CV24060 |

| | | | | | |
|---|---|---|---|---|---|
| 43 | 34.43525202 | -118.646493 | 2025-03-26T16:25:57Z | Y62 | 2000-Ppm grid 148-well cv2305 |
| 44 | 34.43540398 | -118.645789 | 2025-03-26T16:36:30Z | Y63 | 1300Ppm grid 53-well h1804a |
| 45 | 34.43539199 | -118.645773 | 2025-03-26T16:39:26Z | Y64 | 1500-Ppm grid 53-well td 205 |
| 46 | 34.43508396 | -118.645424 | 2025-03-26T16:54:33Z | Y65 | 800Ppm grid 81-well h19550 |
| 47 | 34.43430402 | -118.645726 | 2025-03-26T17:04:00Z | Y66 | 4000Ppm grid 82-well no name |
| 48 | 34.43393497 | -118.64803 | 2025-03-26T17:46:26Z | Y67 | 3000Ppm grid 159-well cv2484 |
| 49 | 34.43374302 | -118.648358 | 2025-03-26T17:54:38Z | Y68 | 4000-Ppm grid 166-well cv24083 |
| 50 | 34.43373296 | -118.648478 | 2025-03-26T18:00:28Z | Y69 | 4000Ppm grid 166-well abandon |
| 51 | 34.43357203 | -118.649196 | 2025-03-26T18:16:32Z | Y70 | 1800Ppm grid 167-well cv2301 |
| 52 | 34.43332502 | -118.649321 | 2025-03-26T18:24:01Z | Y71 | 4000Ppm grid 167-well cv24068 |
| 53 | 34.43283199 | -118.650877 | 2025-03-26T18:40:09Z | Y72 | 2000-Grid 204-well cv2350 |
| 54 | 34.43272202 | -118.651325 | 2025-03-26T18:50:13Z | Y73 | 4000-Ppm grid 207-pipe comming up |
| 55 | 34.432315 | -118.650586 | 2025-03-26T18:06:13Z | Y8 | Y8PPM600WEll208 |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| Quarter / Year: | 1ST QTR / 2025 | 2nd QTR / 2025 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Technician: | Stephen Borchers | Stephen Borchers | | | | | | | | | |
| Instrument: | TVA 1000 | TVA 1000 | | | | | | | | | |
| Calibration Standard: | 500 ppm | 500 ppm | | | | | | | | | |
| **Initial Monitoring Event** | | | | | **First Re-Monitoring Event – 10 Days** | | | | **Second Re-Monitoring Event – 10 Days** | | | |
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 173 | Y41 | CHSFP039 | 591 | 3-26-25 | | 4-3-25 | 4.87 | | | | | |
| 157 | Y42 | 24-Y135 | 886 | | | | 141 | | | | | |
| 147 | Y43 | CCV24054 | 986 | | | | 18.95 | | | | | |
| 178 | Y1 | CV24020 | 1,730 | | | | 4.30 | | | | | |
| 165 | Y5 | CV24170 | 500 | | | | 151 | | | | | |
| 208 | Y8 | 208 | 600 | | | | 15.36 | | | | | |
| 84 | Y101 | surface | 643 | | | | 17.56 | | | | | |
| 84 | Y102 | surface | 1607 | | | | 13.44 | | | | | |
| 162 | Y103 | CV24199 | 706 | | | | 13.29 | | | | | |
| 214 | Y104 | Pipe/surface | 553 | | | | 47.70 | | | | | |
| 214 | Y105 | Pipe/surface | 503 | | | | 17.60 | | | | | |
| 214 | Y106 | surface | 499 | | | | 3.85 | | | | | |
| 215 | Y107 | surface | 512 | | | | 19.06 | | | | | |
| 194 | Y108 | CV24116 | 501 | | | | 315 | | | | | |
| 171 | Y61 | CV24060 | 3,000 | | | | 52.81 | | | | | |
| 149 | Y62 | CV2305 | 2,000 | | | | 6.71 | | | | | |
| 53 | Y63 | H1804A | 1,300 | | | | 452 | | | | | |
| 53 | Y64 | TD205 | 1,500 | | | | 242 | | | | | |
| 81 | Y65 | H19550 | 800 | | | | 253 | | | | | |
| 82 | Y66 | 110 Nave | 4,000 | | | | 200 | | | | | |
| 159 | Y67 | CV2484 | 3,000 | | | | 291 | | | | | |
| 166 | Y68 | CV24083 | 4,000 | ✓ | | ✓ | 57.03 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | | | | 2nd QTR/2025 | | | | | | | | | | |
| Technician: | Stephen Borchers | | | | Stephen Borchers | | | | | | | | | | |
| Instrument: | TVA1000 | | | | TVA1000 | | | | | | | | | | |
| Calibration Standard: | 500ppm | | | | 500ppm | | | | | | | | | | |
| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | | | | |
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | | | |
| 166 | Y69 | Abandon | 4,000 | 3-26-25 | | 4-3-25 | 24.11 | | | | | | | | |
| 167 | Y70 | CV2301 | 1,800 | | | | 21.40 | | | | | | | | |
| 167 | Y71 | CV24068 | 4,000 | | | | 212 | | | | | | | | |
| 204 | Y72 | CV2350 | 2,000 | | | | 141 | | | | | | | | |
| 207 | Y73 | Pipe | 4,000 | | | | 27.38 | | | | | | | | |
| 181 | Y21 | Steelpipe | 7,831 | | | | 71.24 | | | | | | | | |
| 181 | Y22 | Steelpipe | 70,000 | | | | 12.67 | | | | | | | | |
| 181 | Y23 | CV2352 | 10,000 | | | | 17.28 | | | | | | | | |
| 181 | Y24 | Steelpipe | 30,000 | | | | 16.56 | | | | | | | | |
| 175 | Y25 | CV24134 | 1,600 | | | | 40.36 | | | | | | | | |
| 175 | Y26 | CV24140 | 10,000 | | | | 359 | | | | | | | | |
| 175 | Y27 | Steelpipe | 60,000 | | | | 12.26 | | | | | | | | |
| 175 | Y28 | CV2424 | 2,700 | | | | 92.68 | | | | | | | | |
| 176 | Y29 | CV4021 | 2,000 | | | | 13.54 | | | | | | | | |
| 176 | Y30 | CV2338 | 2,600 | | | | 13.24 | | | | | | | | |
| 156 | Y31 | CV24039 | 16,000 | | | | 100 | | | | | | | | |
| 156 | Y32 | Steelpipe | 4,300 | | | | 350 | | | | | | | | |
| 156 | Y33 | RAMSP02 | 13,000 | | | | 100 | | | | | | | | |
| 156 | Y34 | RAMSP03 | 4,072 | | | | 56.73 | | | | | | | | |
| 156 | Y35 | CV24040 | 2,100 | | | | 238 | | | | | | | | |
| 150 | Y36 | RAMSP01 | 4,600 | | | | 410 | | | | | | | | |
| 150 | Y37 | CV2206 | 600 | | | | 360 | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| Quarter / Year: | 1ST QTR / 2025 | 2nd QTR / 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA 1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 150 | 438 | CV24028 | 10,080 | 3-26-25 | | 4-3-25 | 100 | | | | | |
| 145 | 439 | CCV24052 | 1,200 | | | | 106 | | | | | |
| 145 | 440 | 1952 N | 2,200 | | | | 75.80 | | | | | |
| 77 | 4161 | CCNSM02 | 2,017 | | | | 25.59 | | | | | |
| 77 | 4162 | Unmarked | 587 | | | | 20.10 | | | | | |
| 77 | 4163 | CCNSM01 | 568 | | | | 149 | | | | | |
| 78 | 4164 | CV24122 | 623 | | | | 77.85 | | | | | |
| 78 | 4165 | steelpipe | 7,200 | | | | 10.29 | | | | | |
| 78 | 4166 | surface | 1,000 | | | | 425 | | | | | |
| 79 | 4177 | CV48R | 2,150 | | | | 23.40 | | | | | |
| 80 | 4178 | HI | 1,500 | ↓ | | | 57.60 | | | | | |
| 173 | 441 | CHIFP039 | 591 | | | | 56.60 | | | | | |
| 157 | 442 | 29-1/135 | 886 | | | | 75.00 | | | | | |
| 147 | 443 | CCV24054 | 986 | | | ↓ | 95.40 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 46 SERIAL #: 7783434

MONITORING DATE: 4-3-25 TIME 0730

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 7.10 ppm | 8.31 ppm | 7.70 ppm |

Background Value = 7.70 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 497 ppm | 450 ppm | 6 |
| #2 | 498 ppm | 450 ppm | 7 |
| #3 | 500 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.0 ppm | 497 ppm | 3 |
| #2 | 1.0 ppm | 498 ppm | 2 |
| #3 | 0.1 ppm | 500 ppm | 0 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.33 #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time: 4-3-25 / 0730

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 6 SERIAL #: 0720723626

MONITORING DATE: 4-3-25 TIME: 0730

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.73 ppm | 7.59 ppm | 7.16 ppm |

Background Value = 7.16 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 7 |
| #2 | 500 ppm | 450 ppm | 8 |
| #3 | 498 ppm | 450 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

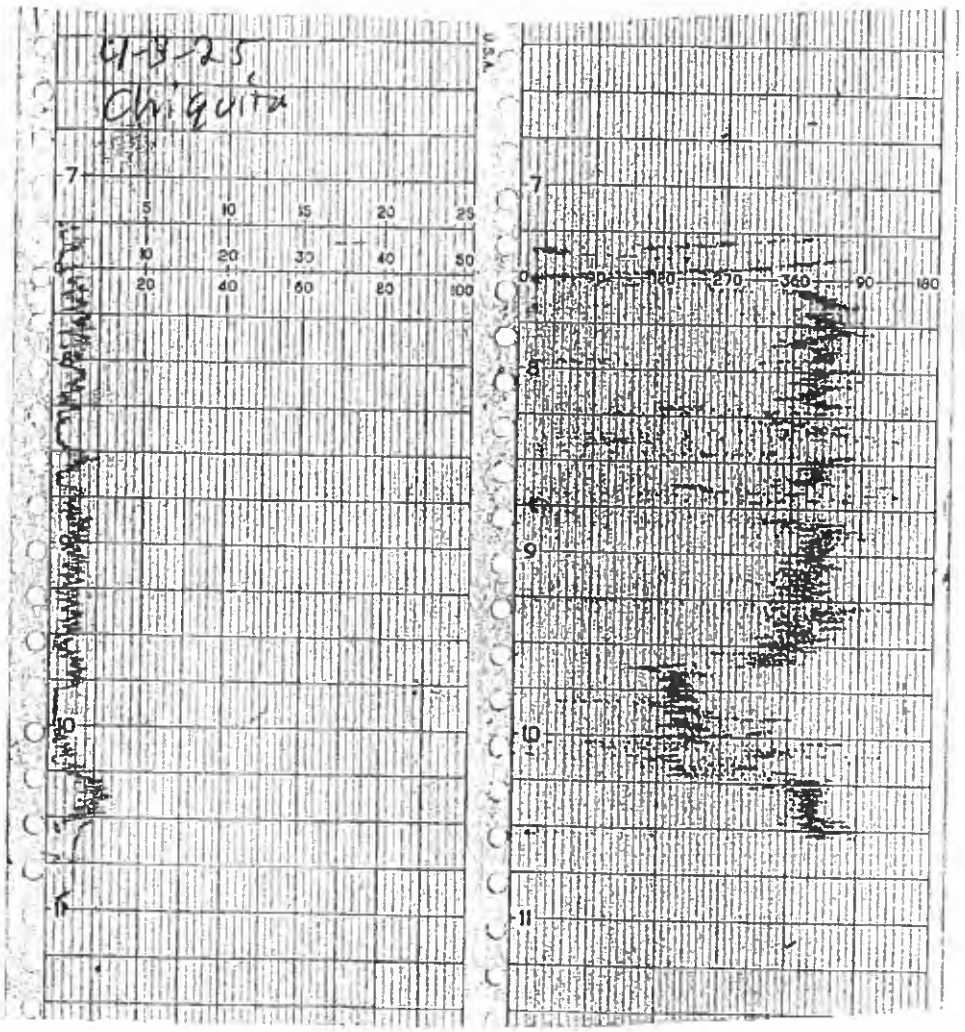
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 499 ppm | 1 |
| #2 | 1.0 ppm | 500 ppm | 0 |
| #3 | 0.0 ppm | 498 ppm | 2 |
| Calculate Precision | [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | .2% #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers. Date/Time: 4-3-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



CHIQUITA CANYON
*a Waste Connections company*

**July 15, 2025**

Mr. Eric Morofuji
Los Angeles County Department of Public Health
Environmental Health
Solid Waste Management Program
5050 Commerce Drive
Baldwin Park, California 91706-1423

**Subject:** **Second Quarter 2025 Monitoring Report**
**Chiquita Canyon Landfill**
**SWFP No. 19-AA-0052**

Dear Mr. Morofuji:

Chiquita Canyon Landfill (CCL) is submitting this quarterly monitoring report to comply with SWFP No. 19-AA-0052, re-issued October 19, 2018. This Second Quarter 2025 report includes site capacity data as of the end of June and landfill gas monitoring data for April, May and June 2025.

**1. An estimate of the remaining capacity (in cubic yards and tons), and the remaining site life of the existing permitted site in years and months.**

As the Local Enforcement Agency is aware, CCL closed the Chiquita Canyon Landfill to the acceptance of waste effective January 1, 2025. CCL does not receive any waste or beneficial reuse materials, but does continue to dispose of a small quantity of internally generated waste.

**2. The results of the landfill gas migration control program.**

Results of the quarterly landfill gas migration control program are provided as Attachment 1. Only data related to landfill gas migration monitoring data has been enclosed. No landfill gas was detected in any on-site structure. The entire SCAQMD Rule 1150.1 gas monitoring compliance report may be reviewed at CCL.

Please contact me at (661) 257-3655 with any questions regarding this report.

Sincerely,

**CHIQUITA CANYON LANDFILL**

Nicole Ward
Assistant District Manager

Attachments: Attachment 1 – Landfill Gas Migration Monitoring Data

## Attachment 1

## Landfill Gas Migration Monitoring Data

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Bowers |
| Instrument: | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 215 | 36.78 | 4-2-25 | | | | | | | | |
| 223 | 26.18 | ↓ | | | | | | | | |
| 252 | 80.00 | | | | | | | | | |
| 238 | 44.76 | | | | | | | | | |
| 237 | 37.19 | ✓ | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | |
|---|---|---|
| Quarter / Year: | 1ST QTR/2025 | 2nd QTR/2025 |
| Technician: | Stephen Borchers | Stephen Borchers |
| Instrument: | TVA1000 | TVA1000 |
| Calibration Standard: | 25ppm | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd >25 ppm |
| 77 | 34.72 | 3-25-25 | | 4-3-25 | 21.09 | | | | | |
| 80 | 33.07 | | | | | 47.02 | | | | |
| 209 | 36.26 | | | | 13.50 | | | | | |
| 210 | 38.28 | | | | 22.45 | | | | | |
| 211 | 78.85 | | | | 21.98 | | | | | |
| 197 | 32.93 | | | | 22.60 | | | | | |
| 163 | 34.35 | | | | 22.78 | | | | | |
| 89 | 30.55 | | | | 18.40 | | | | | |
| 167 | 40.00 | | | | 13.60 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1020 EQUIPMENT #: 2 SERIAL #: 7784545

MONITORING DATE: 4-3-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.43 ppm | 6.13 ppm | 5.78 ppm |

Background Value = 5.78 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.4 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 1.0 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.4 ppm | .6 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 2% #DIV/0! Must be less than 10% |

Performed By Stephen Barbieri Date/Time 4-3-25 / 0730

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #. 7 SERIAL #: 0220723627

MONITORING DATE: 4-3-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.73 ppm | 7.51 ppm | 7.12 ppm |

Background Value = 7.12 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.5 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

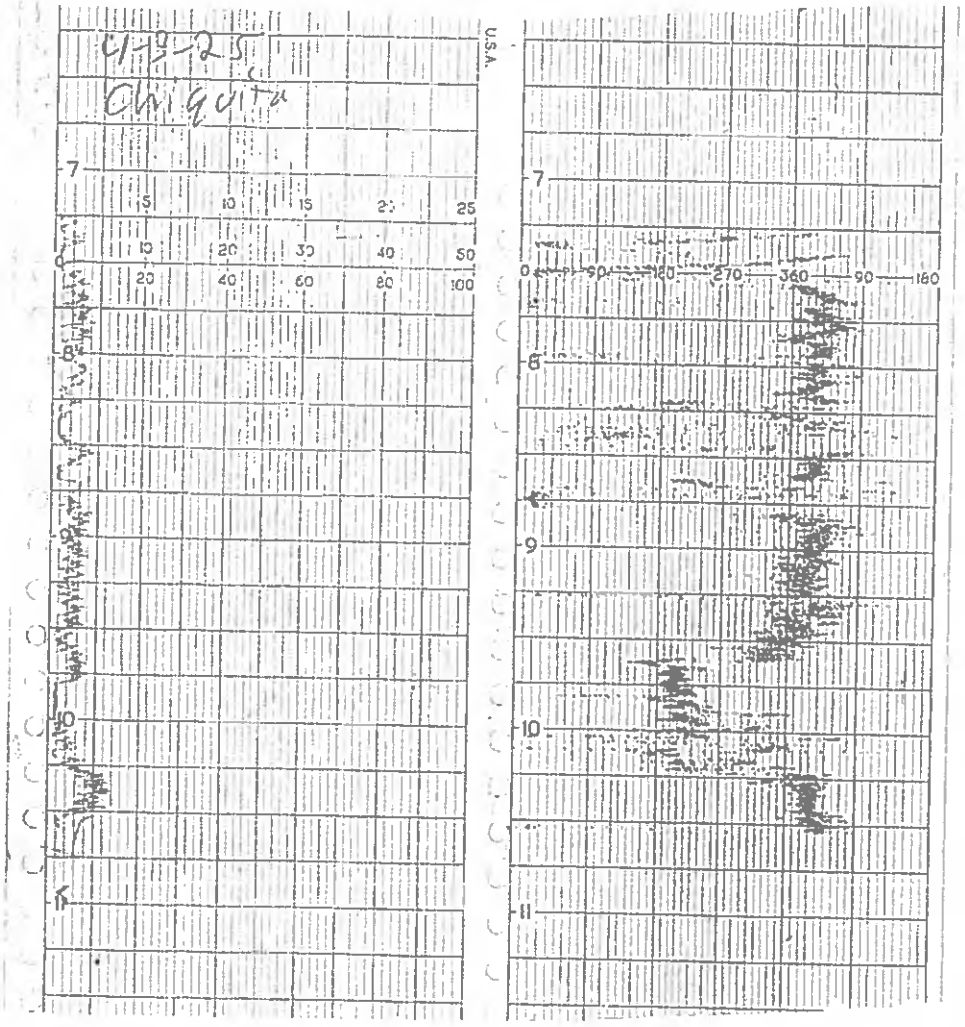
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24 ppm | 1 |
| #2 | 0.1 ppm | 25 ppm | 0 |
| #3 | 1.1 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 2% #DIV/0! Must be less than 10% |

Performed By Stephen Barbosa Date/Time 4-3-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 1ST QTR /2025 | | | | 1st Quarter 2025 | | | | | | | | | | |
| Technician: | Stephen Beschers | | | | D Hernandez | | | | | | | | | | |
| Instrument: | TVA 1000 | | | | TVA1000 | | | | | | | | | | |
| Calibration Standard: | 500ppm | | | | 500 PPM | | | | | | | | | | |
| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | | |
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | | |
| 173 | 441 | CITIFP031 | 591 | 3-26-25 | 0920 | 4/24/25 | 5.4 | | | | | | | | |
| 157 | 442 | 24-V135 | 886 | | 0829 | | 9.7 | | | | | | | | |
| 147 | 443 | CCU24054 | 986 | | 0825 | | 465 | | | | | | | | |
| 178 | 41 | CU24020 | 1,730 | | 0915 | | 13.8 | | | | | | | | |
| 165 | 45 | CU24170 | 500 | | 0908 | | 13.7 | | | | | | | | |
| 208 | 48 | 208 | 600 | | 0953 | | 145 | | | | | | | | |
| 89 | 4101 | SURFACE | 643 | | 0815 | | 14.3 | | | | | | | | |
| 89 | 4102 | SURFACE | 1,607 | | 0817 | | 113 | | | | | | | | |
| 162 | 4103 | CU24194 | 706 | | 0905 | | 39.8 | | | | | | | | |
| 214 | 4104 | PIPE/SURFACE | 553 | | 0955 | | 391 | | | | | | | | |
| 214 | 4105 | PIPE/SURFACE | 503 | | 0956 | | 23.6 | | | | | | | | |
| 214 | 4106 | SURFACE | 500 | | 0957 | | 17.7 | | | | | | | | |
| 215 | 4107 | SURFACE | 512 | | 0958 | | 27.6 | | | | | | | | |
| 194 | 4108 | CU24116 | 501 | | 0929 | | 27.9 | | | | | | | | |
| 171 | 461 | CU24060 | 3,000 | | 0911 | | 32.6 | | | | | | | | |
| 148 | 462 | CU2305 | 2,000 | | 0931 | | 5.5 | | | | | | | | |
| 53 | 463 | H1804A | 1,300 | | 0800 | | 410 | | | | | | | | |
| 53 | 464 | TD 205 | 1,500 | | 0802 | | 464 | | | | | | | | |
| 81 | 465 | H19550 | 800 | | 0807 | | 77.5 | | | | | | | | |
| 82 | 466 | NO NAME | 4,000 | | 0810 | | 63.4 | | | | | | | | |
| 159 | 467 | CU2484 | 3,000 | | 0825 | | 113 | | | | | | | | |
| 166 | 468 | CU24083 | 4,000 | | 0851 | | 475 | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 1ST QTR / 2025 | 1st Quarter 2025 | |
| Technician: | Stephen Borchers | D Hernandez | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500PPM | 500 PPM | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 166 | 469 | Abandon | 4,000 | 3-26-25 | 0853 | 4/24/25 | 386 | | | | | |
| 167 | 470 | CV2301 | 1,800 | | 0859 | | 9.1 | | | | | |
| 167 | 471 | CV24068 | 4,000 | | 0851 | | 6.4 | | | | | |
| 204 | 472 | CV2350 | 2,000 | | 0949 | | 8.9 | | | | | |
| 207 | 473 | Pipe | 4,000 | | 0951 | | 9.4 | | | | | |
| 181 | 421 | STEEL PIPE | 7,837 | | 0946 | | 7.6 | | | | | |
| 181 | 422 | STEEL PIPE | 70,000 | | 0947 | | 7.4 | | | | | |
| 181 | 423 | CV2352 | 10,000 | | 0948 | | 8.1 | | | | | |
| 181 | 424 | STEEL PIPE | 30,000 | | 0949 | | 7.3 | | | | | |
| 175 | 425 | CV24138 | 1,600 | | 0943 | | 9.3 | | | | | |
| 175 | 426 | CV24140 | 10,000 | | 0942 | | 265 | | | | | |
| 175 | 427 | STEEL PIPE | 60,000 | | 0941 | | 7.2 | | | | | |
| 175 | 428 | CV2342A | 2,700 | | 0940 | | 10.3 | | | | | |
| 176 | 429 | CV1902A | 2,000 | | 0937 | | 18.9 | | | | | |
| 176 | 430 | CV2338 | 2,600 | | 0935 | | 11.6 | | | | | |
| 156 | 431 | CV24037 | 16,000 | | 0835 | | 6.7 | | | | | |
| 156 | 432 | STEEL PIPE | 4,300 | | 0837 | | 22.8 | | | | | |
| 156 | 433 | RAMSPC2 | 13,000 | | 0839 | | 37.4 | | | | | |
| 156 | 434 | RAMSPC3 | 4,072 | | 0840 | | 7.1 | | | | | |
| 156 | 435 | CV24040 | 2,100 | | 0841 | | 23.9 | | | | | |
| 150 | 436 | RASWPB1 | 4,600 | | 0845 | | 72.1 | | | | | |
| 150 | 437 | CV22061 | 600 | ↓ | 0846 | ↓ | 425 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

Site: Chiquita



| Quarter / Year: | 1ST QTR / 2025 | 1st Quarter 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | D Hernandez | |
| Instrument: | JUA 1000 | TVA1000 | |
| Calibration Standard: | 520ppm | 500PPM | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 150 | 438 | CCU24028 | 10,080 | 3-26-25 | 0845 | 4/24/25 | 20.7 | | | | | |
| 145 | 439 | CCU24030 | 1,300 | | 0926 | | 7.4 | | | | | |
| 145 | 440 | 1952N | 2,200 | | 0846 | | 13.6 | | | | | |
| 77 | 4161 | CCNSnPoz | 2,017 | | 1001 | | 22.1 | | | | | |
| 77 | 4162 | unmarked | 587 | | 1002 | | 17.3 | | | | | |
| 77 | 4163 | CCNSA001 | 568 | | 1003 | | 13.8 | | | | | |
| 78 | 4164 | CCU24122 | 623 | | 0815 | | 29.8 | | | | | |
| 78 | 4165 | STEEP PIPE | 7,200 | | 0814 | | 25.6 | | | | | |
| 78 | 4166 | SURFACE | 1,000 | | 0813 | | 24.7 | | | | | |
| 79 | 4177 | CCU 48R | 2,150 | | 0812 | | 31.9 | | | | | |
| 80 | 4178 | H1 | 1,500 | | 0811 | | 47.8 | | | | | |
| 173 | 441 | CH1FP039 | 591 | | 1009 | | 5.4 | | | | | |
| 157 | 442 | 29-1/135 | 886 | | 1011 | | 9.7 | | | | | |
| 147 | 443 | CCU24054 | 986 | | 1010 | | 46 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 2 SERIAL #: 7784545

MONITORING DATE: 4-24-25 TIME: 0800

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.1 ppm | 3.6 ppm | 2.8 ppm |

Background Value = 2.8 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 500 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 6 |
| #3 | 501 ppm | 450 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 5.6 #DIV/0! Must be less than 30 seconds |

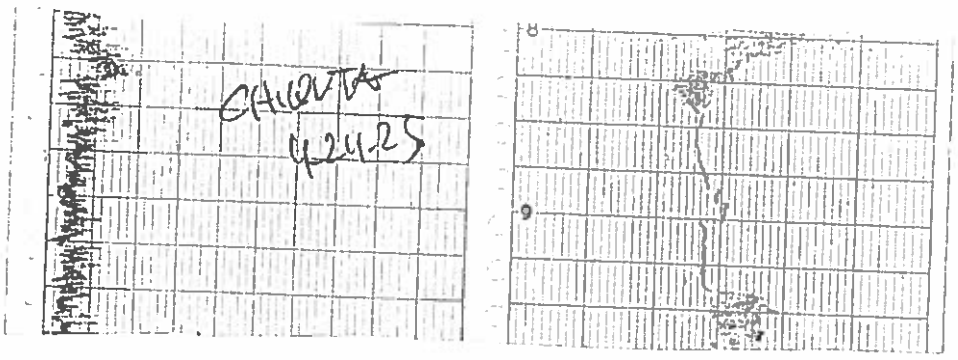
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.64 ppm | 500 ppm | 0 |
| #2 | 0.69 ppm | 501 ppm | 1 |
| #3 | 0.61 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.2 #DIV/0! Must be less than 10% |

Performed By: D. Hernandez Date/Time: 4-24-25 0800

# WIND SPEED & DIRECTION CHART ROLL



# CHIQUITA CANYON LANDFILL (1150.1)
## PERIMETER GAS MONITORING DATA SHEET

101

Date 4-23-25 | Weather Conditions Cloudy

Technician Robert Johns | Temp. 54° F

Inst. GEM Model 5000 | Wind Speed (MPH) & Direction 3 E

Serial # G5005300 | Barometric Pressure 29.91 in. Hg

| Probe Number | Time | Date | CH4% (% Vol.) | CO2% | O2% | Bal.% | Evac. Pumps | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-A - 10 | 0953 | 4-23-25 | 0.0 | 0.1 | 21.4 | 78.5 | 6 | -.52 | |
| 51 | 0956 | | 0.0 | 0.1 | 21.5 | 78.4 | 19 | -1.92 | |
| 102 | 0958 | | 0.0 | 0.1 | 21.6 | 78.3 | 39 | -.02 | |
| 151.5 | 1000 | | 0.0 | 0.1 | 21.7 | 78.3 | 95 | -.03 | |
| GP-1R - 26 | 1129 | | 0.0 | 0.1 | 21.1 | 78.8 | 16 | .0 | |
| 38 | 1131 | | 0.0 | 0.1 | 21.1 | 78.8 | 26 | -.03 | |
| 47 | 1134 | | 0.0 | 0.1 | 21.2 | 78.7 | 18 | -.01 | |
| GP-2 - 15.5 | 1120 | | 0.0 | 0.3 | 20.9 | 78.8 | 16 | -.02 | |
| 44.5 | 1123 | | 0.0 | 0.1 | 21.1 | 78.8 | 18 | -.02 | |
| 53 | 1125 | | 0.0 | 0.1 | 21.1 | 78.8 | 19 | -.03 | |
| GP-5 - 10 | 1106 | | 0.0 | 5.8 | 15.4 | 78.8 | 6 | -.06 | |
| 45 | 1108 | | 0.0 | 0.1 | 21.0 | 78.9 | 18 | -.02 | |
| 93 | 1110 | | 0.0 | 0.2 | 21.1 | 78.8 | 64 | -.19 | |
| GP-6 - 10 | 1056 | | 0.0 | 0.4 | 21.0 | 78.6 | 6 | -.02 | |
| 30 | 1058 | | 0.0 | 0.8 | 20.8 | 78.4 | 20 | -.0 | |
| 60 | 1100 | | 0.0 | 0.1 | 21.2 | 78.7 | 41 | -.76 | |
| GP-7 - 10 | 1045 | | 0.0 | 0.6 | 20.8 | 78.6 | 6 | -.03 | |
| 30 | 1047 | | 0.0 | 1.7 | 18.6 | 79.7 | 20 | -.04 | |
| 60 | 1049 | | 0.0 | 0.3 | 20.9 | 78.9 | 41 | -.30 | |
| GP-8 - 10 | 1033 | | 0.0 | 0.6 | 21.0 | 78.4 | 6 | -.03 | |
| 60 | 1035 | | 0.0 | 0.6 | 19.5 | 79.9 | 41 | -.17 | |
| 120 | 1037 | | 0.0 | 0.8 | 19.0 | 80.2 | 75 | -.34 | |
| GP-9 - 25 | 1021 | | 0.0 | 1.4 | 20.2 | 78.3 | 16 | -.15 | |
| 55 | 1028 | | 0.0 | 0.2 | 21.3 | 78.5 | 20 | -.02 | |
| 83 | 1030 | | 0.0 | 0.1 | 21.5 | 78.4 | 51 | -.11 | |
| GP-10 - 22 | 1006 | | 0.0 | 2.6 | 18.3 | 78.9 | 17 | -.21 | |
| 37 | 1008 | | 0.0 | 4.5 | 14.6 | 80.9 | 26 | -.60 | |
| 63 | 1010 | | 0.0 | 0.1 | 21.6 | 78.3 | 42 | -.47 | |
| 87 | 1012 | | 0.0 | 0.1 | 21.7 | 78.3 | 59 | -.10 | |
| GP-11 - 10 | 0939 | | 0.0 | 0.7 | 20.9 | 78.4 | 6 | -.41 | |
| 70 | 0941 | | 0.0 | 10.3 | 7.4 | 82.3 | 49 | -.42 | |
| 141 | 0943 | | 0.0 | 1.8 | 18.4 | 79.8 | 102 | -.37 | |
| 208 | 0946 | ✓ | 0.1 | 5.8 | 10.3 | 83.9 | 137 | -.53 | |

# CHIQUITA CANYON LANDFILL (1150.1)
## PERIMETER GAS MONITORING DATA SHEET



Date 4-23-25 Weather Conditions Cloudy

Technician Robert Johns Temp 54° °F

Inst. GEM Model 5000 Wind Speed (MPH) & Direction 3 E

Serial # G500530 Barometric Pressure 29.91 in. Hg

| Probe Number | Time | Date | CH4% (% Vol) | CO2% | O2% | Bal.% | Evac. Pumps | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-12 - 12 | 0925 | 4-23-25 | 0.0 | 0.2 | 21.1 | 78.7 | 4 | -.08 | |
| 38 | 0927 | " | 0.0 | 0.1 | 21.5 | 78.4 | 26 | -.04 | |
| 74 | 0929 | " | 0.0 | 0.1 | 21.5 | 78.4 | 50 | -.04 | |
| 110 | 0931 | " | 0.0 | 0.1 | 21.5 | 78.4 | 75 | -.02 | |
| 224 | 0933 | " | 0.0 | 0.1 | 21.6 | 78.3 | 171 | +.02 | |
| GP-13 - 10 | 0855 | " | 0.0 | 1.4 | 19.9 | 78.7 | 6 | -.04 | |
| 29 | 0836 | " | 0.0 | 12.8 | 13.1 | 74.1 | 19 | -.06 | |
| 58 | 0902 | " | 33.2 | 14.5 | 0.7 | 51.5 | 39 | +.06 | |
| 87 | 0908 | " | 6.4 | 10.4 | 2.6 | 80.7 | 59 | -.67 | |
| 173 | 0916 | " | 13.6 | 4.3 | 4.6 | 77.5 | 109 | .0 | |
| GP-14 - 10 | 0832 | " | 0.0 | 0.4 | 20.4 | 79.2 | 6 | -.01 | |
| 23 | 0834 | " | 0.0 | 0.7 | 19.9 | 79.5 | 15 | -.12 | |
| 44 | 0836 | " | 0.0 | 3.0 | 14.9 | 82.1 | 30 | -.08 | |
| 67 | 0843 | " | 12.0 | 7.5 | 3.6 | 76.9 | 46 | -.15 | |
| 134 | 0846 | " | 0.0 | 4.4 | 12.4 | 83.3 | 92 | -.51 | |

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

RES Environmental Inc.

# GEM 5000 CALIBRATION

**TECHNICIAN:** ROBERT JOHNS

**CALIBRATION DATE:** 4/23/2025

**SITE:** CHIQUITA CANYON LANDFILL

**TIME:** 5:00AM

**GEM 5000 SERIAL #:** G500530

| | | UNCORRECTED READING | CORRECTED READING |
|---|---|---|---|
| $CH_4$ | 15% | 15% | 15% |
| $CO_2$ | 15% | 15% | 15% |
| $O_2$ | 4% | 4% | 4% |

865 Via Lata • Colton, California 92324 • (909) 422-1001 Fax (909) 422-0707

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Burches |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 158 | 26.15 | 5-5-25 | | | | | | | | |
| 171 | 62.28 | | | | | | | | | |
| 179 | 48.71 | | | | | | | | | |
| 178 | 59.45 | | | | | | | | | |
| 150 | 55.31 | | | | | | | | | |
| 145 | 44.09 | | | | | | | | | |
| 77 | 32.51 | | | | | | | | | |
| 170 | 96.42 | | | | | | | | | |
| 169 | 45.19 | | | | | | | | | |
| 202 | 55.37 | | | | | | | | | |
| 201 | 49.23 | | | | | | | | | |
| 164 | 28.50 | | | | | | | | | |
| 172 | 60.50 | | | | | | | | | |
| 173 | 52.20 | | | | | | | | | |
| 175 | 47.12 | | | | | | | | | |
| 151 | 28.01 | | | | | | | | | |
| 157 | 70.36 | | | | | | | | | |
| 156 | 46.10 | | | | | | | | | |
| 177 | 70.00 | | | | | | | | | |
| 149 | 54.44 | | | | | | | | | |
| 147 | 42.13 | | | | | | | | | |
| 78 | 49.09 | ↓ | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Bo-Chles |
| Instrument: | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 165 | 51.25 | 5-6-25 | | | | | | | | |
| 167 | 56.41 | ↓ | | | | | | | | |
| 154 | 54.13 | | | | | | | | | |
| 195 | 25.20 | | | | | | | | | |
| 199 | 28.50 | | | | | | | | | |
| 214 | 33.30 | | | | | | | | | |
| 88 | 28.20 | | | | | | | | | |
| 204 | 64.00 | | | | | | | | | |
| 206 | 26.20 | | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR/2025 | 2nd QTR /2025 | |
| Technician: | Stephen Borchers | Jacob Pennington | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 162 | 4101 | CV24106 | 3,450 | 4-7-25 | 0400 | 5-6-25 | 464 | | | | | |
| 162 | 4102 | CV24199 | 560 | | 0804 | | 116 | | | | | |
| 194 | 4103 | CV24116 | 5,800 | | 0812 | | 329 | | | | | |
| 194 | 4104 | CV24203 | 3,400 | | 0815 | | 8.3 | | | | | |
| 194 | 4105 | CAP unmarked | 822 | | 0818 | | 411 | | | | | |
| 96 | 4106 | H2161 | 595 | | 0823 | | 24 | | | | | |
| 96 | 4107 | 17 14105 | 575 | | 0826 | | 130 | | | | | |
| 96 | 4108 | CV24115 | 7,281 | | 0829 | | 169 | | | | | |
| 197 | 4109 | CV24198 | 689 | | 0835 | | 245 | | | | | |
| 99 | 4110 | STEEL PIPE | 9,887 | | 0842 | | 52 | | | | | |
| 214 | 4111 | CV24227 | 5,938 | | 0849 | | 145 | | | | | |
| 214 | 4112 | H2163W | 972 | | 0852 | | 360 | | | | | |
| 214 | 4113 | H2161W | 3,600 | | 0854 | | 400 | | | | | |
| 214 | 4114 | STEEL PIPE | 689 | | 0857 | | 211 | | | | | |
| 215 | 4115 | SURFACE | 4,700 | | 0903 | | 300 | | | | | |
| 215 | 4116 | unmarked | 7,555 | | 0906 | | 428 | | | | | |
| 215 | 4117 | CAP unmarked | 5,751 | | 0909 | | 400 | | | | | |
| 215 | 4118 | unmarked | 40,000 | | 0915 | | 387 | | | | | |
| 181 | 441 | CV2352 | 520 | | 0926 | | 41.8 | | | | | |
| 175 | 442 | CV2038 | 650 | | 0934 | | 9.8 | | | | | |
| 156 | 443 | CV24039 | 906 | | 0944 | | 10.6 | | | | | |
| 166 | 461 | CV2484 | 2,879 | | 0953 | | 229 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd QTR/2025 | 2nd QTR /2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | Jacob Pennington | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 147 | 421 | CV24054 | 1,500 | 4-7-25 | 1618 | 5-6-25 | 449 | | | | | |
| 157 | 422 | CV24046 | 706 | ↓ | 1619 | ↓ | 59 | | | | | |
| 170 | 423 | CV2450 | 5,000 | ↓ | 1633 | ↓ | 294 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 2 SERIAL #: 7784545

MONITORING DATE: 5-6-25 TIME: 0745

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 493 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.6 ppm | 2.0 ppm | 1.8 ppm |

Background Value = 1.8 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 493 ppm | 450 ppm | 5 |
| #2 | 494 ppm | 450 ppm | 5 |
| #3 | 493 ppm | 450 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 5.3 #DIV/0! Must be less than 30 seconds |

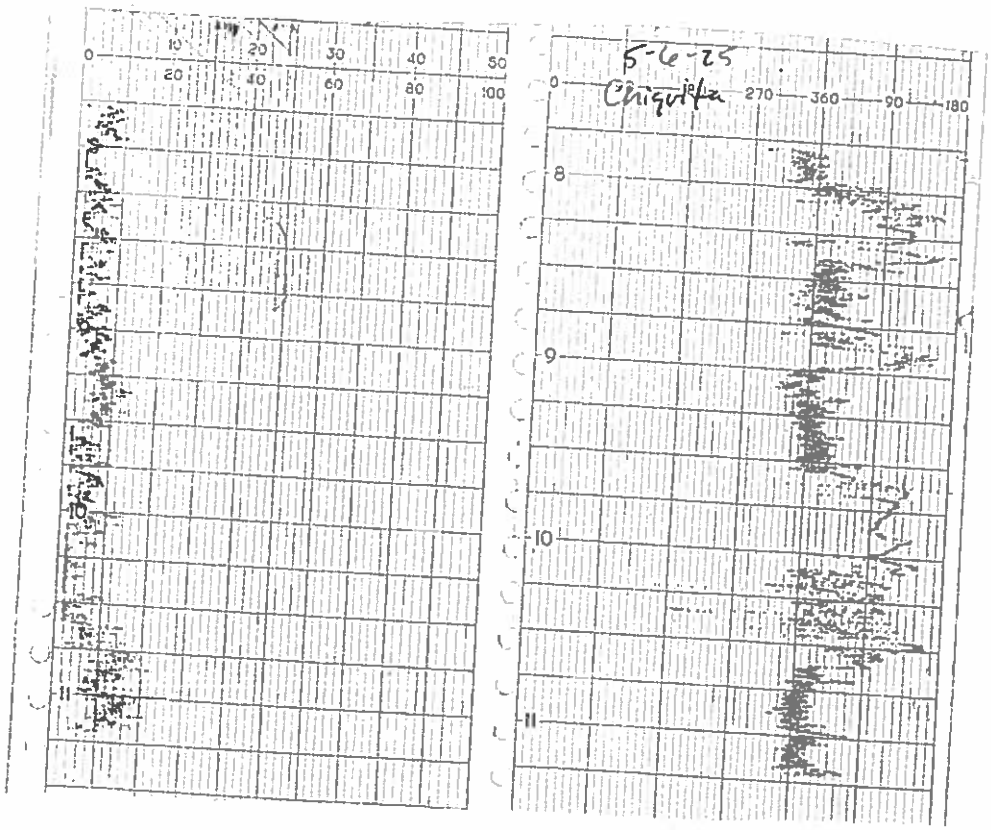
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.3 ppm | 493 ppm | 7 |
| #2 | 0.4 ppm | 494 ppm | 6 |
| #3 | 0.3 ppm | 493 ppm | 7 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 1.3% #DIV/0! Must be less than 10% |

Performed By: J. Pennington Date/Time 5-6-25 / 0745

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

Site: Chiquita Canyon



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician: | Stephen Burchers | Robert Chavez | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 219 | 460 | Surface | 1,583 | 4-8-25 | 0800 | 5-6-25 | 84 | | | | | |
| 219 | 461 | Surface | 863 | | 0802 | | 26 | | | | | |
| 227 | 462 | Surface | 1,920 | | 0805 | | 110 | | | | | |
| 220 | 463 | Surface | 500 | | 0810 | | 35 | | | | | |
| 220 | 464 | Surface | 820 | | 0811 | | 47 | | | | | |
| 220 | 465 | Surface | 3,423 | | 0812 | | 78 | | | | | |
| 227 | 466 | Surface | 1,192 | | 0820 | | 200 | | | | | |
| 227 | 467 | Well No ID | 1,340 | | 0822 | | 135 | | | | | |
| 227 | 468 | Surface | 1,779 | | 0823 | | 238 | | | | | |
| 226 | 469 | Surface | 826 | | 0825 | | 120 | | | | | |
| 223 | 470 | Surface | 801 | | 0829 | | 302 | | | | | |
| 221 | 471 | Surface | 780 | | 0833 | | 118 | | | | | |
| 221 | 472 | Surface | 725 | | 0834 | | 77 | | | | | |
| 222 | 473 | Surface | 1,056 | | 0838 | | 34 | | | | | |
| 102 | 474 | Surface | 500 | | 0844 | | 54 | | | | | |
| 97 | 475 | well 2059 | 879 | | 0846 | | 85 | | | | | |
| 100 | 476 | well H2160 | 5,042 | | 0850 | | 370 | | | | | |
| 100 | 477 | Surface | 800 | | 0852 | | 185 | | | | | |
| 97 | 478 | well 2059 | 879 | | 0855 | | 233 | | | | | |
| 87 | 479 | Surface | 832 | | 0900 | | 117 | | | | | |
| 98 | 4160 | well D90 | 1,523 | | 0908 | | 155 | | | | | |
| 101 | 4161 | well H2058 | 760 | ↓ | 0910 | ↓ | 232 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd QTR/2025 | 2nd QTR/2025 | |
|---|---|---|---|
| Technician: | Stephen Buschers | Robert Chavez | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500PPM | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 103 | 4162 | Surface | 3,562 | 4-8-25 | 0915 | 5-6-25 | 225 | | | | | |
| 226 | 4163 | Surface | 700 | | 0930 | | 101 | | | | | |
| P21 | 4141 | well C8 | 2,403 | | 0940 | | 177 | | | | | |
| P48 | 4142 | ABOVE well C9 | 1,680 | | 0942 | | 315 | | | | | |
| P48 | 4143 | well C10 | 2,892 | | 0943 | | 256 | | | | | |
| P48 | 4144 | well SW115 | 1,111 | | 0944 | | 121 | | | | | |
| P48 | 4145 | well SW95 | 951 | | 0945 | | 72 | | | | | |
| P44 | 4146 | well 63 11 | 851 | | 0947 | | 87 | | | | | |
| P64 | 4147 | well C28 | 50,000 | | 0950 | | 330 | | | | | |
| P64 | 4148 | well C12 | 3,065 | | 0951 | | 163 | | | | | |
| P65 | 4149 | well C27 | 5,470 | | 0953 | | 270 | | | | | |
| P65 | 4150 | well C15 | 1,296 | | 0954 | | 322 | | | | | |
| P58 | 4151 | wireye Cap Pipe | 540 | | 0956 | | 207 | | | | | |
| P58 | 4152 | well C14 | 10,000 | | 0958 | | 56 | | | | | |
| P58 | 4153 | well C25 | 2,381 | | 0959 | | 132 | | | | | |
| P71 | 4154 | well C17B | 850 | | 1002 | | 74 | | | | | |
| P71 | 4155 | well C19 | 5,040 | | 1004 | | 220 | | | | | |
| P71 | 4156 | Big Black Pipe | 2,099 | | 1006 | | 36 | | | | | |
| P71 | 4157 | well C23 | 520 | | 1007 | | 96 | | | | | |
| P71 | 4158 | well C22 | 56,000 | | 1008 | | 387 | | | | | |
| P80 | 4159 | well SW80 | 520 | | 1009 | | 85 | | | | | |
| 33 | 41 | CW1907 | 1,400 | ↓ | 1015 | ↓ | 430 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

**Site:** Chiquita Landfill



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Quarter / Year:** | 2nd QTR/2025 | | | | 2nd QTR /2025 | | | | | | | | |
| **Technician:** | Stephen Beechers | | | | Robert Chavez | | | | | | | | |
| **Instrument:** | TVA1000 | | | | TVA 1000 | | | | | | | | |
| **Calibration Standard:** | 500 ppm | | | | 500 ppm | | | | | | | | |
| **Initial Monitoring Event** | | | | | **30 Day Re-Monitoring Event** | | | | **First Re-Monitoring Event – 10 Days** | | | | |
| **Grid Number** | **Flag Number** | **Location** | **Field Reading (ppm)** | **Date Monitored** | **Remedial Work** | **Date Monitored** | **No Excd. <500 ppm** | **Excd. >500 ppm** | **Remedial Work** | **Date Monitored** | **No Excd. <500 ppm** | **Excd. >500 ppm** |
| 37 | 42 | H2169E | 1,000 | 4-8-25 | 1017 | 5-6-25 | 325 | | | | | |
| 41 | 43 | TD206 | 1,300 | ↓ | 1020 | ↓ | 118 | | | | | |
| 249 | 4101 | G-1-18-76 | 2,700 | | 1030 | | 92 | | | | | |
| 250 | 4102 | BOIE | 4,400 | | 1032 | | 123 | | | | | |
| 251 | 4103 | UNMARKED | 1,000 | | 1034 | | 201 | | | | | |
| 130 | 4104 | UNMARKED | 2,000 | | 1100 | | 214 | | | | | |
| 241 | 481 | CU24245 | 663 | | 1037 | | 87 | | | | | |
| 231 | 482 | BHGBDN | 982 | | 1040 | | 300 | | | | | |
| 234 | 483 | H2077 | 675 | | 1042 | | 180 | | | | | |
| 253 | 484 | CH2303E | 664 | | 1044 | | 152 | | | | | |
| 237 | 485 | CLGABEN | 1,335 | | 1050 | | 431 | | | | | |
| 237 | 486 | CLGABZN | 1,143 | | 1052 | | 428 | | | | | |
| 239 | 487 | CHG2302C | 686 | ↓ | 1055 | ↓ | 166 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Cliniqua INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 60 SERIAL #: 7680738 4

MONITORING DATE 5-6-25 TIME: 0745

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 505 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.6 ppm | 2.0 ppm | 1.8 ppm |

Background Value = 1.8 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 506 ppm | 450 ppm | 4 |
| #2 | 505 ppm | 450 ppm | 4 |
| #3 | 505 ppm | 450 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 4.3 #DIV/0! Must be less than 30 seconds |

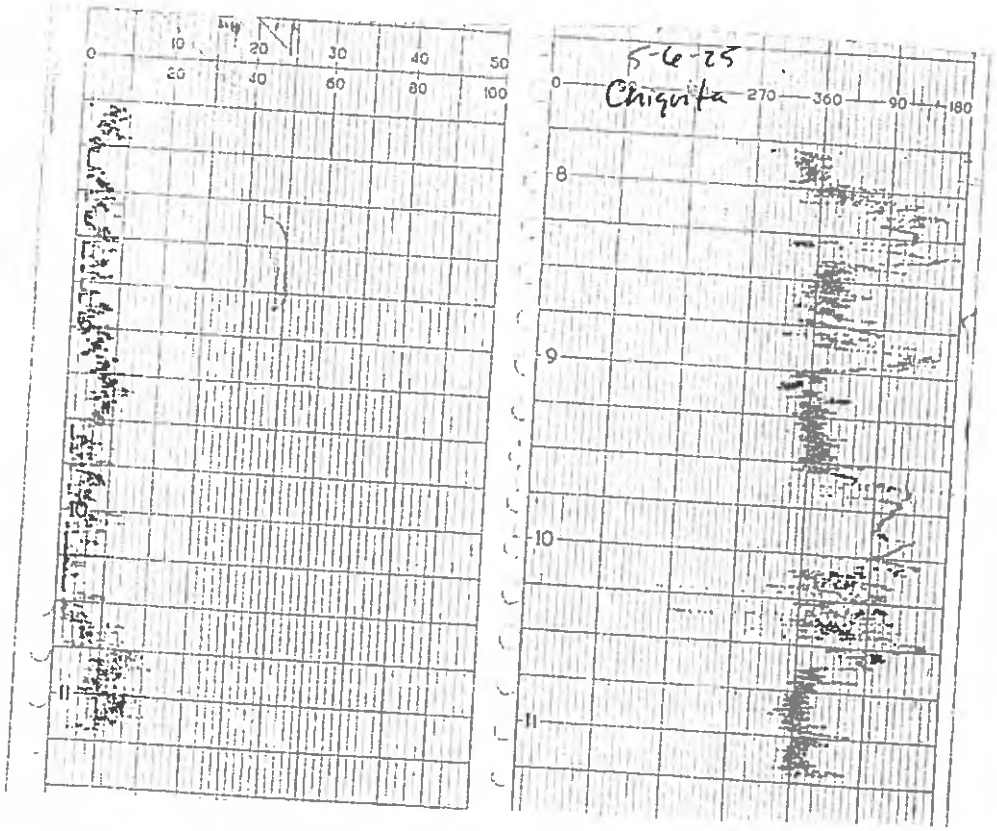
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.5 ppm | 506 ppm | 6 |
| #2 | 0.5 ppm | 505 ppm | 5 |
| #3 | 0.5 ppm | 505 ppm | 5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 1.1 % #DIV/0! Must be less than 10% |

Performed By: R. Chavez Date/Time: 5-6-25 / 0745

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician: | Stephen Butchers | Eric Gomez | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500ppm | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 81 | Y118 | Well HZ1173 | 1359 | 4-28-25 | 0903 | 5-6-25 | | 1374 | | | | |
| 82 | Y119 | Well CV24150 | 1647 | | 0912 | | | 1157 | | | | |
| 82 | Y120 | Well CV24094 | 9,751 | | 0914 | | | 1724 | | | | |
| 82 | Y121 | Black Pipe | 3,644 | | 0916 | | | 2422 | | | | |
| 99 | Y122 | Steel pipe | 10,000 | | 1040 | | | 1,584 | | | | |
| 216 | Y123 | Gray Pipe Conc. | 6,723 | | 0845 | | | 6702 | | | | |
| 175 | Y21 | CV2353 | 900 | | 0805 | | 232 | | | | | |
| 176 | Y22 | CV19026 | 750 | | 0807 | | 3.2 | | | | | |
| 156 | Y23 | CV2201 | 900 | | 0830 | | | 1534 | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR /2025 | 2nd QTR /2025 | |
| Technician: | Stephen Burchett. | Eric Gomez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 174 | Y41 | CV2242A | 506 | 4-26-25 | 0802 | 5-6-25 | 177 | | | | | |
| 171 | Y42 | CV2302 | 2,500 | | 0834 | | | 5014 | | | | |
| 159 | Y43 | CV2472 | 750 | | 0825 | | | 933 | | | | |
| 204 | Y61 | Surface | 678 | | 0839 | | | 683 | | | | |
| 166 | Y62 | CV24087 | 644 | | 0815 | | | 617 | | | | |
| 80 | Y101 | Well H1 | 5,170 | | 0900 | | 183 | | | | | |
| 79 | Y102 | Well CV24141 | 595 | | 0921 | | 298 | | | | | |
| 79 | Y103 | Well CV48R | 6,285 | | 0923 | | | 842 | | | | |
| 78 | Y104 | Well CV24123 | 5,760 | | 0925 | | | 859 | | | | |
| 78 | Y105 | Surface Pit 2 | 1,273 | | 0928 | | | 623 | | | | |
| 78 | Y106 | Well CV24122 | 4,512 | | 0931 | | | 6647 | | | | |
| 78 | Y107 | Well CV24125 | 10,000 | | 0934 | | 7.3 | | | | | |
| 77 | Y108 | Well CV1113 | 4,575 | | 0942 | | 96 | | | | | |
| 78 | Y109 | Well CCNSM 001 | 10,000 | | 0938 | | | 8972 | | | | |
| 77 | Y110 | Well CV24124 | 5,623 | | 0944 | | 4.6 | | | | | |
| 77 | Y111 | Well unmarked | 620 | | 0947 | | | 652 | | | | |
| 77 | Y112 | Well CCNSM 002 | 60,000 | | 0950 | | | 24,973 | | | | |
| 66 | Y113 | Well 2316A | 710 | | 1002 | | 9.1 | | | | | |
| 53 | Y114 | Well CV2319 | 3684 | | 1010 | | | 1140 | | | | |
| 53 | Y115 | Well HisC4A | 1,357 | | 1012 | | | 1513 | | | | |
| 81 | Y116 | Well CV1426 | 2,148 | | 0905 | | | 3138 | | | | |
| 81 | Y117 | Well HisC5C | 1530 | ✓ | 0907 | ↓ | | 1507 | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita

| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | Page 1 of 1 Pages |
|---|---|---|---|
| Technician: | Stephen Borchers | Eric Gomez | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500ppm | 500 ppm | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 165 | B61 | Well CV 29087 | 366 | 4-22-25 | 0820 | 5-6-25 | 174 | | |
| 166 | B62 | Well CHH15265C | 214 | | 0817 | | 196 | | |
| 77 | B101 | Well CV 2333 | 230 | | 0952 | | 3.2 | | |
| 77 | B102 | Well CV 24120 | 325 | | 0955 | | 14.2 | | |
| 82 | B103 | Well H1804C | 253 | ↓ | 0918 | ↓ | 192 | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 59 SERIAL #: 7680 8384

MONITORING DATE: 5-6-25 TIME: 0745

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 493 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.6 ppm | 2.0 ppm | 1.8 ppm |

Background Value = 1.8 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 495 ppm | 450 ppm | 7 |
| #2 | 495 ppm | 450 ppm | 7 |
| #3 | 493 ppm | 450 ppm | 4 |
| Calculate Response Time (1+2+3) / 3 | | | 6 #DIV/0! Must be less than 30 seconds |

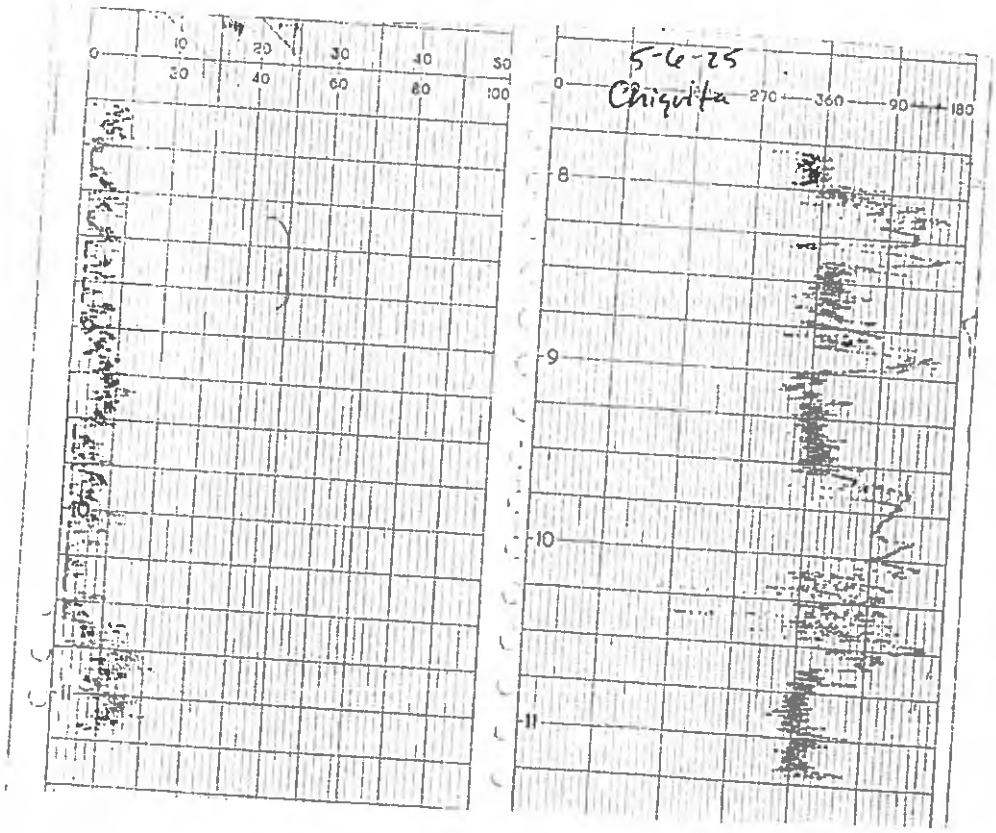
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.5 ppm | 495 ppm | 5 |
| #2 | 0.5 ppm | 495 ppm | 5 |
| #3 | 0.3 ppm | 493 ppm | 7 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 1.1% #DIV/0! Must be less than 10% |

Performed By: E. Gomez Date/Time: 5-6-25 / 0745

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Times | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 96 | Y61 | CV24115 | 1,200 | 4-23-25 | 0907 | 5-2-25 | 250 | | | | | |
| 99 | Y62 | Surface | 4,600 | | 0906 | | 64.77 | | | | | |
| 216 | Y63 | Capped well | 560 | | 0858 | | 122 | | | | | |
| 209 | Y41 | Surface | 3,900 | | 1006 | | 341 | | | | | |
| 210 | Y42 | surface/pipe | 6,400 | | 1010 | | 183 | | | | | |
| 211 | Y44 | surface/pipe | 1,500 | | 1014 | | 43.58 | | | | | |
| 178 | Y1 | NOID | 500 | | 0808 | | 188 | | | | | |
| 150 | Y2 | Surface | 600 | | 0806 | | 41.69 | | | | | |
| 150 | Y3 | surface | 600 | | 0805 | | 72.83 | | | | | |
| | | | | | | | | | | | | |
| 145 | Y5 | NOID | 1,360 | | 0800 | | 38.64 | | | | | |
| 145 | Y6 | NOID | 960 | | 0816 | | 24.43 | | | | | |
| 145 | Y7 | Surface | 3,960 | | 0817 | | 426 | | | | | |
| 145 | Y8 | Well PI | 4,923 | | 0819 | | 392 | | | | | |
| 77 | Y9 | Surface | 2,952 | | 0827 | | 306 | | | | | |
| 77 | Y10 | surface | 6,345 | | 0822 | | 73.80 | | | | | |
| 77 | Y11 | Surface | 1,366 | | 0823 | | 131 | | | | | |
| 77 | Y13 | Surface | 740 | | 0823 | | 99.60 | | | | | |
| 78 | Y14 | Surface | 500 | | 0826 | | 179 | | | | | |
| 78 | Y15 | well CV4 | 500 | | 0827 | | 291 | | | | | |
| 77 | Y16 | Surface | 500 | ↓ | 0952 | ↓ | 131 | | | | | |
| | | | | | | | | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: CHIQUITA LANDFILL

| Quarter / Year: | 2nd Qtr 2025 | 2nd QTR 2025 | Page 1 of 1 Pages |
|---|---|---|---|
| Technician: | STEPHEN BORCHERS | Stephen Borchers | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 PPM | 500ppm | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Times | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 211 | B43 | SURFACE | 211 | 4-23-25 | 1004 | 5-2-25 | 178 | | |
| 211 | B45 | SURFACE | 330 | | 1012 | | 135 | | |
| 194 | B46 | SURFACE | 206 | | 0910 | | 30.40 | | |
| 194 | B47 | SURFACE | 203 | | 0912 | | 67.40 | | |
| 194 | B48 | SURFACE | 347 | | 0911 | | 159 | | |
| 194 | B49 | SURFACE | 300 | | 0914 | | 107 | | |
| 194 | B50 | SURFACE | 200 | | 0914 | | 175 | | |
| 77 | B12 | SURFACE | 400 | | 0920 | | 61.30 | | |
| 145 | B17 | SURFACE | 400 | | 0755 | | 33.71 | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TEA1000 EQUIPMENT #: 43 SERIAL #: 1586062

MONITORING DATE: 5-2-25 TIME: 0715

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.62 ppm | 6.73 ppm | 6.17 ppm |

Background Value = 6.17 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 497 ppm | 450 ppm | 6 |
| #2 | 499 ppm | 450 ppm | 7 |
| #3 | 500 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

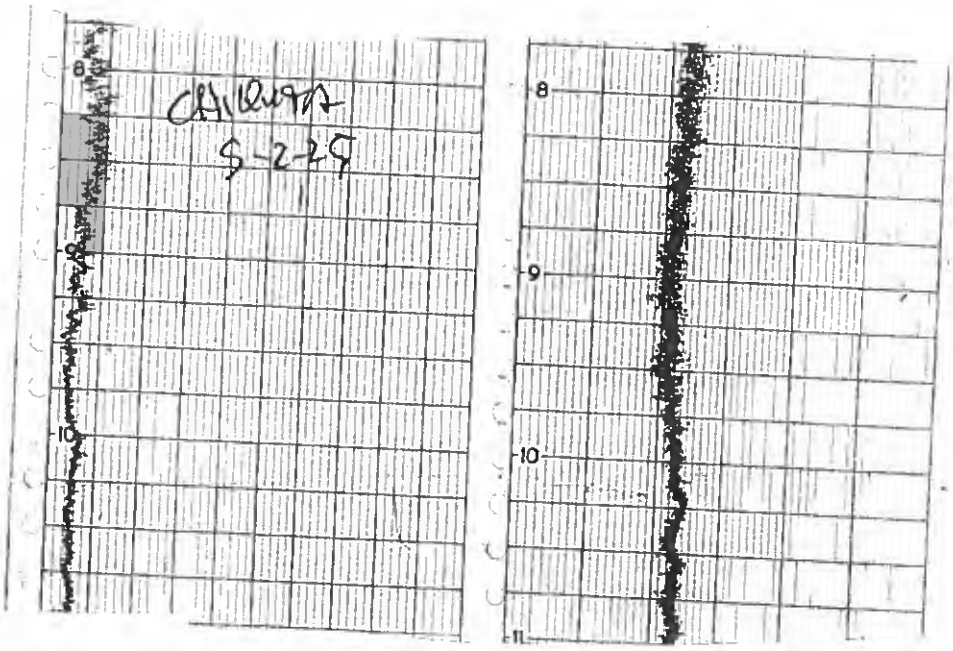
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 497 ppm | 3 |
| #2 | 1.0 ppm | 499 ppm | 1 |
| #3 | 0.0 ppm | 500 ppm | 0 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0,26 % #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time: 5-2-25 / 0715

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR/ 2025 |
| Technician: | Stephen Barbus |
| Instrument: | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 85 | 26.40 | 5-7-25 | | | | | | | | |
| 79 | 26.82 | " | | | | | | | | |
| 51 | 65.66 | " | | | | | | | | |
| 52 | 26.78 | " | | | | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Bonkrut |
| Instrument: | IVA1000 |
| Calibration Standard: | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 179 | Y1 | well UNmarked | 3000 | 5-12-25 | | | | | | | | |
| 161 | Y101 | well CV24169 | 900 | | | | | | | | | |
| 195 | Y105 | well CV24169 | 608 | | | | | | | | | |
| 83 | Y81 | Surface | 520 | | | | | | | | | |
| 163 | Y82 | well CV24080 | 652 | | | | | | | | | |
| 157 | Y41 | well RAMSP04 | 608 | | | | | | | | | |
| 173 | Y42 | well RAM SP05 | 568 | | | | | | | | | |
| 200 | Y43 | well CV2354 | 956 | | | | | | | | | |
| 205 | Y44 | well SW68 | 614 | | | | | | | | | |
| 204 | Y61 | well CV2328 | 590 | | | | | | | | | |
| 158 | Y62 | well CV24024 | 5000 | | | | | | | | | |
| 153 | Y63 | well CV2305 | 6000 | | | | | | | | | |
| 148 | Y64 | well MW01A | 1200 | | | | | | | | | |
| 53 | Y65 | well UNmarked | 600 | | | | | | | | | |
| 82 | Y66 | well CV24014 | 900 | | | | | | | | | |
| 149 | Y67 | well CV24153 | 590 | | | | | | | | | |
| 181 | Y21 | well CV2362 | 645 | | | | | | | | | |
| 181 | Y22 | well UNmarked | 4032 | | | | | | | | | |
| 180 | Y23 | well UNmarked | 806 | | | | | | | | | |
| 180 | Y24 | well CV1607 | 5023 | | | | | | | | | |
| 180 | Y25 | Surface | 4098 | | | | | | | | | |
| 176 | Y26 | Surface | 540 | | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Rowland |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 176 | Y27 | well CV1902A | 9056 | 5-12-25 | | | | | | | | |
| 176 | Y28 | surface | 500 | | | | | | | | | |
| 177 | Y29 | well UNMARKED | 1076 | | | | | | | | | |
| 156 | Y31 | well UNMARKED | 500 | | | | | | | | | |
| 156 | Y32 | well CV2201 | 1423 | | | | | | | | | |
| 156 | Y33 | well CV2404 | 700 | | | | | | | | | |
| 145 | Y34 | well UNMARKED | 1423 | | | | | | | | | |
| 77 | Y36 | well P2 | 500 | | | | | | | | | |
| 77 | Y37 | surface | 500 | | | | | | | | | |
| 77 | Y38 | surface | 1023 | | | | | | | | | |
| 77 | Y39 | surface | 4021 | | | | | | | | | |
| 77 | Y121 | surface | 500 | | | | | | | | | |
| 77 | Y122 | surface | 1523 | | | | | | | | | |
| 77 | Y123 | well CV2412D | 1523 | | | | | | | | | |
| 77 | Y126 | well CV1902D | 4523 | | | | | | | | | |
| 78 | Y128 | surface | 2823 | | | | | | | | | |
| 79 | Y132 | surface | 4424 | | | | | | | | | |
| 80 | Y133 | well CVH-1 | 700 | | | | | | | | | |
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## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita

| | | | |
|---|---|---|---|
| **Quarter / Year:** | 2nd QTR / 2025 | | Page \| of \| Pages |
| **Technician:** | Stephen Beerbower | | |
| **Instrument:** | | | |
| **Calibration Standard:** | | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 169 | B41 | Well 2450 | 398 | | | | | | |
| 180 | B51 | Well CV24087 | 482 | | | | | | |
| 105 | B52 | Well CV24170 | 202 | | | | | | |
| 204 | B61 | Well CV2350 | 270 | | | | | | |
| 176 | B30 | Well CV2403 | 200 | | | | | | |
| 145 | B25 | Surface | 200 | | | | | | |
| 77 | B124 | Surface | 200 | | | | | | |
| 77 | B125 | Surface | 300 | | | | | | |
| 78 | B127 | Surface | 200 | | | | | | |
| 78 | B129 | Surface | 300 | | | | | | |
| 78 | B130 | Surface | 200 | | | | | | |
| 78 | B131 | Surface | 200 | | | | | | |
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5-12-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43711297 | -118.647179 | 2025-05-12T18:36:41Z | B124 | 200Ppmgrd77surface |
| 2 | 34.43701901 | -118.647038 | 2025-05-12T18:39:11Z | B125 | 300Ppmgrd77surface |
| 3 | 34.43719796 | -118.646869 | 2025-05-12T18:43:30Z | B127 | 200Ppmgrd78surface |
| 4 | 34.437104 | -118.646728 | 2025-05-12T18:46:28Z | B129 | 300Ppmgrd78surface |
| 5 | 34.437147 | -118.646555 | 2025-05-12T18:48:55Z | B130 | 200Ppmgrd78surface |
| 6 | 34.43703602 | -118.646156 | 2025-05-12T19:05:20Z | B131 | 200Ppmgrd78surface |
| 7 | 34.43664299 | -118.647639 | 2025-05-12T18:06:27Z | B25 | 200Ppmgrd145surface |
| 8 | 34.43489 | -118.649785 | 2025-05-12T17:16:09Z | B30 | 200Ppmgrd176Wellcv2403 |
| 9 | 34.43373296 | -118.649918 | 2025-05-12T17:01:36Z | B41 | Ppm398grid169well2450 |
| 10 | 34.43281297 | -118.650841 | 2025-05-12T16:07:31Z | B61 | 270Ppm grid 204-well cv2350 |
| 11 | 34.43301396 | -118.64809 | 2025-05-12T16:37:18Z | B81 | Ppm482grd160wellcv-24087 |
| 12 | 34.43314204 | -118.648462 | 2025-05-12T16:44:03Z | B82 | Ppm202grd165wellcv-24170 |
| 13 | 34.43537196 | -118.649677 | 2025-05-12T17:20:01Z | Y1 | Grd179ppm3000well |
| 14 | 34.433193 | -118.647699 | 2025-05-12T15:56:00Z | Y101 | Y101PPM900WELLCV24169 |
| 15 | 34.43182097 | -118.647354 | 2025-05-12T16:25:35Z | Y105 | Y105PP600CV24199 |
| 16 | 34.43694902 | -118.647417 | 2025-05-12T18:26:06Z | Y121 | 500Ppmgrd77surface |
| 17 | 34.43695203 | -118.647331 | 2025-05-12T18:29:07Z | Y122 | 1523Ppmgrd77surface |
| 18 | 34.43685598 | -118.647277 | 2025-05-12T18:31:35Z | Y123 | 1523Ppmgrd77wellccv24120 |
| 19 | 34.43699101 | -118.647253 | 2025-05-12T18:33:57Z | Y124 | 3245Ppmgrd77surface |
| 20 | 34.43716301 | -118.646948 | 2025-05-12T18:41:09Z | Y126 | 4523Ppmgrd77wellccnsmp01 |
| 21 | 34.43709402 | -118.646776 | 2025-05-12T18:44:56Z | Y128 | 2823Ppmgrd78surface |
| 22 | 34.43700501 | -118.645966 | 2025-05-12T19:06:33Z | Y132 | 4424Ppmgrd79surface |
| 23 | 34.43768797 | -118.644118 | 2025-05-12T19:14:34Z | Y133 | 700Ppmgrd80wellcvH-1 |
| 24 | 34.43491297 | -118.651035 | 2025-05-12T16:04:34Z | Y21 | 645Ppmgrd181wellcv2352 |
| 25 | 34.43486502 | -118.650899 | 2025-05-12T16:12:51Z | Y22 | 4032Ppmgrd181wellnoid |
| 26 | 34.43523601 | -118.65065 | 2025-05-12T16:26:43Z | Y23 | 806Ppmgrd180wellnoid |
| 27 | 34.435321 | -118.650468 | 2025-05-12T16:38:48Z | Y24 | 5023Ppmgrd180wellCv1607 |
| 28 | 34.43536601 | -118.650292 | 2025-05-12T16:43:55Z | Y25 | 4098Ppmgrd180surface |
| 29 | 34.43469202 | -118.650193 | 2025-05-12T16:52:28Z | Y26 | 540Ppmgrd176surface |
| 30 | 34.434616 | -118.650283 | 2025-05-12T16:54:08Z | Y27 | 9056Ppmgrd176wellcv1902A |
| 31 | 34.43473804 | -118.650054 | 2025-05-12T16:57:23Z | Y28 | 500Ppmgrd176surface |
| 32 | 34.43499302 | -118.649303 | 2025-05-12T17:26:21Z | Y29 | 1076Ppmgrd177wellnoid |
| 33 | 34.43551001 | -118.648856 | 2025-05-12T17:38:22Z | Y31 | 500Ppmgrd156wellnoid |
| 34 | 34.43557899 | -118.648831 | 2025-05-12T17:41:08Z | Y32 | 1423Ppmgrd156wellcv2201 |
| 35 | 34.43565703 | -118.64838 | 2025-05-12T17:48:20Z | Y33 | 700Ppmgrd156wellCv24040 |
| 36 | 34.43665196 | -118.647901 | 2025-05-12T18:03:23Z | Y34 | 1423Ppmgrd145wellnoid |
| 37 | 34.43692102 | -118.647658 | 2025-05-12T18:15:05Z | Y36 | 500Ppmgrd77wellp2 |
| 38 | 34.43690401 | -118.647616 | 2025-05-12T18:17:31Z | Y37 | 500Ppmgrd77surface |
| 39 | 34.436917 | -118.647585 | 2025-05-12T18:21:39Z | Y38 | 1023Ppmgrd77surface |
| 40 | 34.43696201 | -118.647485 | 2025-05-12T18:24:11Z | Y39 | 4021Ppmgrd77surace |
| 41 | 34.434875 | -118.648474 | 2025-05-12T16:10:23Z | Y41 | Ppm608grid157wellramsp04 |
| 42 | 34.43428097 | -118.649682 | 2025-05-12T16:20:40Z | Y42 | Ppm568grid173wellramsp05 |

| | | | | | |
|---|---|---|---|---|---|
| 43 | 34.43367597 | -118.651335 | 2025-05-12T17:17:08Z | Y43 | Ppm556grid202wellcv2354 |
| 44 | 34.43352501 | -118.652021 | 2025-05-12T17:41:30Z | Y44 | Ppm614grid205wellsw68 |
| 45 | 34.43434199 | -118.648301 | 2025-05-12T16:31:31Z | Y61 | 590-Ppm grid 158-well cv2328 |
| 46 | 34.43475103 | -118.647406 | 2025-05-12T17:07:03Z | Y62 | 5000-Ppm grid 153-well cv24074 |
| 47 | 34.43523299 | -118.646488 | 2025-05-12T17:33:38Z | Y63 | 6000-Ppm grid 148-well cv2305 |
| 48 | 34.43533801 | -118.645769 | 2025-05-12T17:43:08Z | Y64 | 1200-Ppm grid 53-well h1804a |
| 49 | 34.43427502 | -118.645703 | 2025-05-12T18:03:40Z | Y65 | 6000-Ppm grid 82-un marked well |
| 50 | 34.43460401 | -118.646054 | 2025-05-12T18:12:51Z | Y66 | 900-Ppm grid 82-well cv24094 |
| 51 | 34.434429 | -118.646416 | 2025-05-12T18:22:11Z | Y67 | 590 Ppm grid 149well cv 24153 |
| 52 | 34.43402197 | -118.646337 | 2025-05-12T15:46:57Z | Y81 | Ppm520grd83suface |
| 53 | 34.43246101 | -118.64807 | 2025-05-12T16:55:50Z | Y82 | Ppm652grd163wellcv-24089 |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 73 | Y81 | well CV2913? | 748 | 5-13-25 | | | | | | | | |
| 57 | Y82 | well 24213 | 500 | | | | | | | | | |
| 63 | Y83 | well CV1538 | 700 | | | | | | | | | |
| 63 | Y84 | well CV1535 | 510 | | | | | | | | | |
| 227 | Y61 | Surface | 1500 | | | | | | | | | |
| 227 | Y62 | Surface | 5000 | | | | | | | | | |
| 241 | Y63 | well CV24245 | 1400 | | | | | | | | | |
| 241 | Y64 | Surface | 2400 | | | | | | | | | |
| 240 | Y65 | Surface | 6000 | | | | | | | | | |
| 240 | Y66 | Surface | 7000 | | | | | | | | | |
| 246 | Y21 | Surface | 740 | | | | | | | | | |
| 248 | Y22 | Surface | 580 | | | | | | | | | |
| 239 | Y23 | PIPE | 636 | | | | | | | | | |
| 55 | Y101 | well CV2707 | 1000 | | | | | | | | | |
| 60 | Y102 | well CV24102 | 600 | | | | | | | | | |
| 36 | Y103 | well CV2324 | 1000 | | | | | | | | | |
| 37 | Y104 | well H-2165E | 2000 | | | | | | | | | |
| 38 | Y105 | well CV1703 | 1000 | | | | | | | | | |
| 35 | Y106 | well H15015 | 700 | | | | | | | | | |
| 51 | Y107 | well CV6 | 800 | | | | | | | | | |
| 50 | Y108 | well CV8 | 800 | | | | | | | | | |
| 57 | Y109 | well CV9 | 3000 | | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Bowles |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 59 | Y121 | Well H-2166 | 760 | 5-13-25 | | | | | | | | |
| 59 | Y122 | Well CV24111 | 1,952 | | | | | | | | | |
| 32 | Y123 | Well H-21881 | 1,521 | | | | | | | | | |
| 33 | Y124 | Well CV24109 | 860 | | | | | | | | | |
| 31 | Y125 | Surface | 1,218 | | | | | | | | | |
| 30 | Y126 | Well CV24191 | 970 | | | | | | | | | |
| 84 | Y127 | Well H-18045 | 4023 | | | | | | | | | |
| 92 | Y128 | Well CV004 | 990 | | | | | | | | | |
| 92 | Y129 | Surface | 1,232 | | | | | | | | | |
| 93 | 41 | Well A-1 | 1,850 | | | | | | | | | |
| 52 | 42 | Well A-5 | 1,573 | | | | | | | | | |
| 21 | 43 | Well C-8 | 2,401 | | | | | | | | | |
| 48 | 44 | Well C-9 | 29,770 | | | | | | | | | |
| 49 | 45 | Well SW-65 | 1,226 | | | | | | | | | |
| 44 | 46 | Well C-11 | 1,835 | | | | | | | | | |
| 64 | 47 | Well C-12 | 2,224 | | | | | | | | | |
| 65 | 48 | Well C-27 | 10,150 | | | | | | | | | |
| 65 | 49 | Well C-15 | 10,470 | | | | | | | | | |
| 58 | 410 | Well H-22 | 2,768 | | | | | | | | | |
| 71 | 411 | Well C-23 | 10,360 | | | | | | | | | |
| 71 | 412 | Well C-22 | 791 | ✓ | | | | | | | | |
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## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | Page 1 of 1 Pages |
| Technician: | Stephen Bachus | | |
| Instrument: | TVA1000 | | |
| Calibration Standard: | 500 ppm | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 249 | B21 | Surface | 227 | 5-13-25 | | | | | |
| 39 | B162 | well CV24211 | 300 | | | | | | |
| 94 | B41 | Surface | 230 | | | | | | |
| 102 | B61 | Surface | 209 | | | | | | |
| 237 | B68 | well 237 | 230 | | | | | | |
| 32 | B121 | well CV1907 | 400 | | | | | | |
| 84 | B123 | well H1764 | 200 | | | | | | |
| 91 | B124 | Surface | 300 | | | | | | |
| 92 | B125 | well CSM501 | 300 | | | | | | |
| 92 | B1 | Well A-2 | 292 | | | | | | |
| 50 | B2 | Well Unmarked | 242 | | | | | | |
| 80 | B3 | Well SW-80 | 391 | ✓ | | | | | |

5-13-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.431582 | -118.643322 | 2025-05-13T15:55:39Z | B1 | 1815PPMGRD92WALLA1 |
| 2 | 34.43272797 | -118.643822 | 2025-05-13T17:24:29Z | B102 | Ppm300grd39 |
| 3 | 34.43426404 | -118.64488 | 2025-05-13T17:07:35Z | B121 | 400Ppmgrd33wellCv-1907 |
| 4 | 34.43318001 | -118.645599 | 2025-05-13T17:42:49Z | B123 | 200Ppmgrd84wellH1764N |
| 5 | 34.43177998 | -118.644574 | 2025-05-13T18:14:01Z | B124 | 300Ppmgrd91surface |
| 6 | 34.43155702 | -118.644326 | 2025-05-13T18:28:18Z | B125 | 300Ppmgrd92wellccsms01 |
| 7 | 34.43193496 | -118.643066 | 2025-05-13T16:02:05Z | B2 | 242PPMGRD50WELLUNMARKED |
| 8 | 34.42755483 | -118.6486347 | 2025-05-13T16:25:38Z | B21 | Ppm227 grd249surface |
| 9 | 34.43830999 | -118.643325 | 2025-05-13T17:19:42Z | B3 | 391PPMGRD80WELLSW80 |
| 10 | 34.42811097 | -118.648395 | 2025-05-13T15:36:59Z | B41 | PPM230Well237 |
| 11 | 34.43016596 | -118.647648 | 2025-05-13T16:24:15Z | B61 | PPM209SURF102 |
| 12 | 34.4283833 | -118.6481041 | 2025-05-14T12:39:45Z | B68 | 230PPM WELL237 |
| 13 | 34.431223 | -118.643782 | 2025-05-13T15:53:25Z | Y1 | 1850PPMGRD93WELLA1 |
| 14 | 34.43691197 | -118.641523 | 2025-05-13T17:01:49Z | Y10 | 3768PPMGRD58PIPEH22 |
| 15 | 34.43601804 | -118.644202 | 2025-05-13T16:00:05Z | Y101 | Ppm1000grd55 |
| 16 | 34.43525797 | -118.644159 | 2025-05-13T16:14:40Z | Y102 | Ppm600grd60 |
| 17 | 34.434516 | -118.6442 | 2025-05-13T16:19:54Z | Y103 | Ppm1000grd36 |
| 18 | 34.43423999 | -118.64416 | 2025-05-13T16:23:25Z | Y104 | Ppm2000grd37 |
| 19 | 34.43341001 | -118.643984 | 2025-05-13T16:41:40Z | Y105 | Ppm1000grd38 |
| 20 | 34.43288203 | -118.644454 | 2025-05-13T16:46:00Z | Y106 | Ppm700grd35 |
| 21 | 34.43270098 | -118.642831 | 2025-05-13T17:32:13Z | Y107 | Ppm800grd51 |
| 22 | 34.431999 | -118.643821 | 2025-05-13T17:37:01Z | Y108 | Ppm800 WELLCV8 |
| 23 | 34.43315101 | -118.641607 | 2025-05-13T18:26:18Z | Y109 | Ppm3000 WELLCV9 |
| 24 | 34.43796298 | -118.642632 | 2025-05-13T17:11:33Z | Y11 | 10310PPMGRD71WELLC23 |
| 25 | 34.43819297 | -118.642845 | 2025-05-13T17:15:12Z | Y12 | 791PPMGRD71WELLC22 |
| 26 | 34.43558201 | -118.644827 | 2025-05-13T16:24:58Z | Y121 | 760Ppmgrd59wellH-2166c |
| 27 | 34.43534103 | -118.644926 | 2025-05-13T16:34:06Z | Y122 | 1952Ppmgrd59wellCv24111 |
| 28 | 34.43442598 | -118.644788 | 2025-05-13T17:00:55Z | Y123 | 1521Ppmgrd32wellH-2168-c |
| 29 | 34.43400504 | -118.644854 | 2025-05-13T17:16:31Z | Y124 | 800Ppmgrd33wellcv24109 |
| 30 | 34.43394997 | -118.64542 | 2025-05-13T17:23:02Z | Y125 | 1218Ppmgrd30surface |
| 31 | 34.43385802 | -118.645563 | 2025-05-13T17:25:57Z | Y126 | 970Ppmgrd30cv24191 |
| 32 | 34.43311798 | -118.645674 | 2025-05-13T17:37:25Z | Y127 | 4023Ppmgrd84wellH-1804s |
| 33 | 34.43183798 | -118.644236 | 2025-05-13T18:21:44Z | Y128 | 990Ppmgrd92wellcv-009 |
| 34 | 34.43190998 | -118.644229 | 2025-05-13T18:23:37Z | Y129 | 1232Ppmgrd92surface |
| 35 | 34.43249202 | -118.641657 | 2025-05-13T16:15:23Z | Y2 | 1573PPMGRD52WELLA5 |
| 36 | 34.42730203 | -118.650016 | 2025-05-13T15:55:02Z | Y21 | Ppm740grd246surface |
| 37 | 34.42694304 | -118.648947 | 2025-05-13T16:10:18Z | Y22 | Ppm580grd 248surface |
| 38 | 34.42790796 | -118.648955 | 2025-05-13T16:47:31Z | Y23 | Ppm636grd239surface/pipeno# |
| 39 | 34.43366901 | -118.640859 | 2025-05-13T16:21:02Z | Y3 | 2401PPMGRD21WELLC8 |
| 40 | 34.43418802 | -118.641035 | 2025-05-13T16:27:35Z | Y4 | 20770PPMGRD48WELLC9 |
| 41 | 34.43084196 | -118.645877 | 2025-05-13T17:11:30Z | Y411 | Y41PPM230SURF94 |
| 42 | 34.43015196 | -118.645404 | 2025-05-13T17:04:32Z | Y42 | Y42PPM58-32SURF95 |
| 43 | 34.43013503 | -118.645761 | 2025-05-13T16:56:35Z | Y45 | PPM30-29SURF98 |

| | | | | | |
|---|---|---|---|---|---|
| 44 | 34.43483099 | -118.641205 | 2025-05-13T16:33:35Z | Y5 | 1226PPMGRD48WELLSW65 |
| 45 | 34.43528202 | -118.641294 | 2025-05-13T16:37:51Z | Y6 | 1835PPMGRD44WELLC11 |
| 46 | 34.42960798 | -118.651094 | 2025-05-13T16:45:45Z | Y61 | 1500-Ppm grid 227-surface |
| 47 | 34.42989799 | -118.6481 | 2025-05-13T16:18:33Z | Y62 | 5000PPMSURF |
| 48 | 34.42859 | -118.650102 | 2025-05-13T17:49:39Z | Y63 | 1400-Ppm grid 241-well cv 24245-capped |
| 49 | 34.42833301 | -118.649879 | 2025-05-13T18:02:25Z | Y64 | 2400-Ppm grid 241-surface |
| 50 | 34.428461 | -118.6497 | 2025-05-13T18:07:53Z | Y65 | 6000-Ppm grid 240-surface |
| 51 | 34.42848003 | -118.649571 | 2025-05-13T18:14:57Z | Y66 | 7000-Ppm grid 240-surface |
| 52 | 34.43594897 | -118.640891 | 2025-05-13T16:41:28Z | Y7 | 2224PPMGRD64WELLC12 |
| 53 | 34.43617503 | -118.640988 | 2025-05-13T16:49:34Z | Y8 | 10150PPMGRD65WELLC27 |
| 54 | 34.43727901 | -118.64405 | 2025-05-13T15:21:10Z | Y81 | Ppm748grid73cv2432well |
| 55 | 34.43659899 | -118.642948 | 2025-05-13T16:24:40Z | Y82 | 500Ppmgrid57wellcv24213 |
| 56 | 34.435479 | -118.642306 | 2025-05-13T17:19:21Z | Y83 | Ppm700grid63wellcv153b |
| 57 | 34.43546198 | -118.642313 | 2025-05-13T17:20:34Z | Y84 | Ppm510grid63wellcv153s |
| 58 | 34.43628098 | -118.641045 | 2025-05-13T16:55:54Z | Y9 | 10470PPMGRD65WELLC15 |

# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR/ 2025 |
| Technician: | Stephen Boehms |
| Instrument: | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 85 | 26.40 | 5-7-25 | | | | | | | | |
| 79 | 26.82 | " | | | | | | | | |
| 51 | 65.66 | " | | | | | | | | |
| 52 | 96.78 | " | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Dorbert |
| Instrument: | TVA1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 179 | Y1 | well UNmarked | 3000 | 5-12-25 | | | | | | | | |
| 161 | Y101 | well CV24169 | 900 | | | | | | | | | |
| 195 | Y105 | well CV24199 | 608 | | | | | | | | | |
| 83 | Y81 | Surface | 520 | | | | | | | | | |
| 163 | Y82 | well CV24080 | 652 | | | | | | | | | |
| 157 | Y41 | well RAMSP04 | 608 | | | | | | | | | |
| 173 | Y42 | well RAM SP05 | 568 | | | | | | | | | |
| 200 | Y43 | well CV2354 | 956 | | | | | | | | | |
| 205 | Y44 | well SW68 | 614 | | | | | | | | | |
| 204 | Y61 | well CV2328 | 590 | | | | | | | | | |
| 158 | Y62 | well CV24024 | 5000 | | | | | | | | | |
| 153 | Y63 | well CV2305 | 6000 | | | | | | | | | |
| 148 | Y64 | well H150A | 1200 | | | | | | | | | |
| 53 | Y65 | well UNmarked | 600 | | | | | | | | | |
| 82 | Y66 | well CV24014 | 900 | | | | | | | | | |
| 149 | Y67 | well CV24153 | 590 | | | | | | | | | |
| 181 | Y21 | well CV2362 | 645 | | | | | | | | | |
| 181 | Y22 | well UNmarked | 4032 | | | | | | | | | |
| 180 | Y23 | well UNmarked | 806 | | | | | | | | | |
| 180 | Y24 | well CV1607 | 5023 | | | | | | | | | |
| 180 | Y25 | Surface | 4098 | | | | | | | | | |
| 176 | Y26 | Surface | 540 | | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chriquita



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Burkhart |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 176 | Y27 | well CV1902it | 9056 | 5-12-25 | | | | | | | | |
| 176 | Y28 | Surface | 500 | | | | | | | | | |
| 177 | Y29 | well unmarked | 1076 | | | | | | | | | |
| 156 | Y31 | well unmarked | 500 | | | | | | | | | |
| 156 | Y32 | well CV2201 | 1423 | | | | | | | | | |
| 156 | Y33 | well CV2404 | 700 | | | | | | | | | |
| 145 | Y34 | well unmarked | 1423 | | | | | | | | | |
| 77 | Y36 | well P2 | 500 | | | | | | | | | |
| 77 | Y37 | Surface | 500 | | | | | | | | | |
| 77 | Y38 | surface | 1023 | | | | | | | | | |
| 77 | Y39 | Surface | 4021 | | | | | | | | | |
| 77 | Y121 | Surface | 500 | | | | | | | | | |
| 77 | Y122 | Surface | 1523 | | | | | | | | | |
| 77 | Y123 | well CV2412U | 1523 | | | | | | | | | |
| 77 | Y126 | well CV1902 | 4523 | | | | | | | | | |
| 78 | Y128 | Surface | 2823 | | | | | | | | | |
| 79 | Y132 | Surface | 4424 | | | | | | | | | |
| 80 | Y133 | well CVH-1 | 700 | | | | | | | | | |
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## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | Page \| of \| Pages |
| Technician: | Stephen Bernhardt | | |
| Instrument: | | | |
| Calibration Standard: | | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 169 | B41 | well 2450 | 398 | | | | | | |
| 180 | B51 | well CV24087 | 482 | | | | | | |
| 105 | B52 | well CV24170 | 202 | | | | | | |
| 204 | B61 | well CV2350 | 270 | | | | | | |
| 176 | B30 | well CV2403 | 200 | | | | | | |
| 145 | B25 | Surface | 200 | | | | | | |
| 77 | B124 | Surface | 200 | | | | | | |
| 77 | B125 | Surface | 300 | | | | | | |
| 78 | B127 | Surface | 200 | | | | | | |
| 78 | B129 | Surface | 300 | | | | | | |
| 78 | B130 | Surface | 200 | | | | | | |
| 78 | B131 | Surface | 200 | | | | | | |
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5-12-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43711297 | -118.647179 | 2025-05-12T18:36:41Z | B124 | 200Ppmgrd77surface |
| 2 | 34.43701901 | -118.647038 | 2025-05-12T18:39:11Z | B125 | 300Ppmgrd77surface |
| 3 | 34.43719796 | -118.646869 | 2025-05-12T18:43:30Z | B127 | 200Ppmgrd78surface |
| 4 | 34.437104 | -118.646728 | 2025-05-12T18:46:28Z | B129 | 300Ppmgrd78surface |
| 5 | 34.437147 | -118.646555 | 2025-05-12T18:48:55Z | B130 | 200Ppmgrd78surface |
| 6 | 34.43703602 | -118.646156 | 2025-05-12T19:05:20Z | B131 | 200Ppmgrd78surface |
| 7 | 34.43664299 | -118.647639 | 2025-05-12T18:06:27Z | B25 | 200Ppmgrd145surface |
| 8 | 34.43489 | -118.649785 | 2025-05-12T17:16:09Z | B30 | 200Ppmgrd176Wellcv2403 |
| 9 | 34.43373296 | -118.649918 | 2025-05-12T17:01:36Z | B41 | Ppm398grid169well2450 |
| 10 | 34.43281297 | -118.650841 | 2025-05-12T16:07:31Z | B61 | 270Ppm grid 204-well cv2350 |
| 11 | 34.43301396 | -118.64809 | 2025-05-12T16:37:18Z | B81 | Ppm482grd160wellcv-24087 |
| 12 | 34.43314204 | -118.648462 | 2025-05-12T16:44:03Z | B82 | Ppm202grd165wellcv-24170 |
| 13 | 34.43537196 | -118.649677 | 2025-05-12T17:20:01Z | Y1 | Grd179ppm3000well |
| 14 | 34.433193 | -118.647699 | 2025-05-12T15:56:00Z | Y101 | Y101PPM900WELLCV24169 |
| 15 | 34.43182097 | -118.647354 | 2025-05-12T16:25:35Z | Y105 | Y105PP600CV24199 |
| 16 | 34.43694902 | -118.647417 | 2025-05-12T18:26:06Z | Y121 | 500Ppmgrd77surface |
| 17 | 34.43695203 | -118.647331 | 2025-05-12T18:29:07Z | Y122 | 1523Ppmgrd77surface |
| 18 | 34.43685598 | -118.647277 | 2025-05-12T18:31:35Z | Y123 | 1523Ppmgrd77wellccv24120 |
| 19 | 34.43699101 | -118.647253 | 2025-05-12T18:33:57Z | Y124 | 3245Ppmgrd77surface |
| 20 | 34.43716301 | -118.646948 | 2025-05-12T18:41:09Z | Y126 | 4523Ppmgrd77wellccnsmp01 |
| 21 | 34.43709402 | -118.646776 | 2025-05-12T18:44:56Z | Y128 | 2823Ppmgrd78surface |
| 22 | 34.43700501 | -118.645966 | 2025-05-12T19:06:33Z | Y132 | 4424Ppmgrd79surface |
| 23 | 34.43768797 | -118.644118 | 2025-05-12T19:14:34Z | Y133 | 700Ppmgrd80wellcvH-1 |
| 24 | 34.43491297 | -118.651035 | 2025-05-12T16:04:34Z | Y21 | 645Ppmgrd181wellcv2352 |
| 25 | 34.43486502 | -118.650899 | 2025-05-12T16:12:51Z | Y22 | 4032Ppmgrd181wellnoid |
| 26 | 34.43523601 | -118.65065 | 2025-05-12T16:26:43Z | Y23 | 806Ppmgrd180wellnoid |
| 27 | 34.435321 | -118.650468 | 2025-05-12T16:38:48Z | Y24 | 5023Ppmgrd180wellCv1607 |
| 28 | 34.43536601 | -118.650292 | 2025-05-12T16:43:55Z | Y25 | 4098Ppmgrd180surface |
| 29 | 34.43469202 | -118.650193 | 2025-05-12T16:52:28Z | Y26 | 540Ppmgrd176surface |
| 30 | 34.434616 | -118.650283 | 2025-05-12T16:54:08Z | Y27 | 9056Ppmgrd176wellcv1902A |
| 31 | 34.43473804 | -118.650054 | 2025-05-12T16:57:23Z | Y28 | 500Ppmgrd176surface |
| 32 | 34.43499302 | -118.649303 | 2025-05-12T17:26:21Z | Y29 | 1076Ppmgrd177wellnoid |
| 33 | 34.43551001 | -118.648856 | 2025-05-12T17:38:22Z | Y31 | 500Ppmgrd156wellnoid |
| 34 | 34.43557899 | -118.648831 | 2025-05-12T17:41:08Z | Y32 | 1423Ppmgrd156wellcv2201 |
| 35 | 34.43565703 | -118.64838 | 2025-05-12T17:48:20Z | Y33 | 700Ppmgrd156wellCv24040 |
| 36 | 34.43665196 | -118.647901 | 2025-05-12T18:03:23Z | Y34 | 1423Ppmgrd145wellnoid |
| 37 | 34.43692102 | -118.647658 | 2025-05-12T18:15:05Z | Y36 | 500Ppmgrd77wellp2 |
| 38 | 34.43690401 | -118.647616 | 2025-05-12T18:17:31Z | Y37 | 500Ppmgrd77surface |
| 39 | 34.436917 | -118.647585 | 2025-05-12T18:21:39Z | Y38 | 1023Ppmgrd77surface |
| 40 | 34.43696201 | -118.647485 | 2025-05-12T18:24:11Z | Y39 | 4021Ppmgrd77surace |
| 41 | 34.434875 | -118.648474 | 2025-05-12T16:10:23Z | Y41 | Ppm608grid157wellramsp04 |
| 42 | 34.43428097 | -118.649682 | 2025-05-12T16:20:40Z | Y42 | Ppm568grid173wellramsp05 |

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|---|---|---|---|---|---|
| 43 | 34.43367597 | -118.651335 | 2025-05-12T17:17:08Z | Y43 | Ppm556grid202wellcv2354 |
| 44 | 34.43352501 | -118.652021 | 2025-05-12T17:41:30Z | Y44 | Ppm614grid205wellsw68 |
| 45 | 34.43434199 | -118.648301 | 2025-05-12T16:31:31Z | Y61 | 590-Ppm grid 158-well cv2328 |
| 46 | 34.43475103 | -118.647406 | 2025-05-12T17:07:03Z | Y62 | 5000-Ppm grid 153-well cv24074 |
| 47 | 34.43523299 | -118.646488 | 2025-05-12T17:33:38Z | Y63 | 6000-Ppm grid 148-well cv2305 |
| 48 | 34.43533801 | -118.645769 | 2025-05-12T17:43:08Z | Y64 | 1200-Ppm grid 53-well h1804a |
| 49 | 34.43427502 | -118.645703 | 2025-05-12T18:03:40Z | Y65 | 6000-Ppm grid 82-un marked well |
| 50 | 34.43460401 | -118.646054 | 2025-05-12T18:12:51Z | Y66 | 900-Ppm grid 82-well cv24094 |
| 51 | 34.434429 | -118.646416 | 2025-05-12T18:22:11Z | Y67 | 590 Ppm grid 149well cv 24153 |
| 52 | 34.43402197 | -118.646337 | 2025-05-12T15:46:57Z | Y81 | Ppm520grd83suface |
| 53 | 34.43246101 | -118.64807 | 2025-05-12T16:55:50Z | Y82 | Ppm652grd163wellcv-24089 |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Bonhert |
| Instrument: | TVA1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 179 | Y1 | well UNMARKED | 3000 | 5-12-25 | | | | | | | | |
| 161 | Y101 | well CV24169 | 900 | | | | | | | | | |
| 195 | Y105 | well CV24199 | 608 | | | | | | | | | |
| 83 | Y81 | Surface | 520 | | | | | | | | | |
| 163 | Y82 | well CV24089 | 652 | | | | | | | | | |
| 157 | Y41 | well RAMSP04 | 608 | | | | | | | | | |
| 173 | Y42 | well RAM SP05 | 568 | | | | | | | | | |
| 200 | Y43 | well CV2354 | 956 | | | | | | | | | |
| 205 | Y44 | well SW68 | 614 | | | | | | | | | |
| 204 | Y61 | well CV2328 | 590 | | | | | | | | | |
| 158 | Y62 | well CV24074 | 5000 | | | | | | | | | |
| 153 | Y63 | well CV2305 | 6000 | | | | | | | | | |
| 148 | Y64 | well HISOIA | 1200 | | | | | | | | | |
| 53 | Y65 | well UNMARKED | 600 | | | | | | | | | |
| 82 | Y66 | well CV24094 | 900 | | | | | | | | | |
| 149 | Y67 | well CV24153 | 590 | | | | | | | | | |
| 181 | Y21 | well CV2362 | 645 | | | | | | | | | |
| 181 | Y22 | well UNMARKED | 4032 | | | | | | | | | |
| 180 | Y23 | well UNMARKED | 806 | | | | | | | | | |
| 180 | Y24 | well CV1607 | 5023 | | | | | | | | | |
| 180 | Y25 | Surface | 4098 | | | | | | | | | |
| 176 | Y26 | Surface | 540 | | | | | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Burchus |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 176 | Y27 | well CV1902A | 9056 | 5-12-25 | | | | | | | | |
| 176 | Y28 | Surface | 500 | | | | | | | | | |
| 177 | Y29 | well unmarked | 1076 | | | | | | | | | |
| 156 | Y31 | well unmarked | 500 | | | | | | | | | |
| 156 | Y32 | well CV2201 | 1423 | | | | | | | | | |
| 156 | Y33 | well CV2404 | 700 | | | | | | | | | |
| 145 | Y34 | well unmarked | 1423 | | | | | | | | | |
| 77 | Y36 | well P2 | 500 | | | | | | | | | |
| 77 | Y37 | Surface | 500 | | | | | | | | | |
| 77 | Y38 | surface | 1023 | | | | | | | | | |
| 77 | Y39 | Surface | 4021 | | | | | | | | | |
| 77 | Y121 | Surface | 500 | | | | | | | | | |
| 77 | Y122 | Surface | 1523 | | | | | | | | | |
| 77 | Y123 | well CV2412D | 1523 | | | | | | | | | |
| 77 | Y126 | well unmarked | 4523 | | | | | | | | | |
| 78 | Y128 | Surface | 2823 | | | | | | | | | |
| 79 | Y132 | Surface | 4424 | | | | | | | | | |
| 80 | Y133 | well CVH-1 | 700 | | | | | | | | | |
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## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | Page \| of \| Pages |
| Technician: | Stephen Bernhardt | | |
| Instrument: | | | |
| Calibration Standard: | | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 169 | B41 | Well 2450 | 398 | | | | | | |
| 180 | B81 | Well CV2408 | 482 | | | | | | |
| 105 | B82 | Well CV 24170 | 202 | | | | | | |
| 204 | B61 | Well CV 2350 | 270 | | | | | | |
| 176 | B30 | Well CV2403 | 200 | | | | | | |
| 145 | B25 | Surface | 200 | | | | | | |
| 77 | B124 | Surface | 200 | | | | | | |
| 77 | B125 | Surface | 300 | | | | | | |
| 78 | B127 | Surface | 200 | | | | | | |
| 78 | B129 | Surface | 300 | | | | | | |
| 78 | B130 | Surface | 200 | | | | | | |
| 78 | B131 | Surface | 200 | | | | | | |
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5-12-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43711297 | -118.647179 | 2025-05-12T18:36:41Z | B124 | 200Ppmgrd77surface |
| 2 | 34.43701901 | -118.647038 | 2025-05-12T18:39:11Z | B125 | 300Ppmgrd77surface |
| 3 | 34.43719796 | -118.646869 | 2025-05-12T18:43:30Z | B127 | 200Ppmgrd78surface |
| 4 | 34.437104 | -118.646728 | 2025-05-12T18:46:28Z | B129 | 300Ppmgrd78surface |
| 5 | 34.437147 | -118.646555 | 2025-05-12T18:48:55Z | B130 | 200Ppmgrd78surface |
| 6 | 34.43703602 | -118.646156 | 2025-05-12T19:05:20Z | B131 | 200Ppmgrd78surface |
| 7 | 34.43664299 | -118.647639 | 2025-05-12T18:06:27Z | B25 | 200Ppmgrd145surface |
| 8 | 34.43489 | -118.649785 | 2025-05-12T17:16:09Z | B30 | 200Ppmgrd176Wellcv2403 |
| 9 | 34.43373296 | -118.649918 | 2025-05-12T17:01:36Z | B41 | Ppm398grid169well2450 |
| 10 | 34.43281297 | -118.650841 | 2025-05-12T16:07:31Z | B61 | 270Ppm grid 204-well cv2350 |
| 11 | 34.43301396 | -118.64809 | 2025-05-12T16:37:18Z | B81 | Ppm482grd160wellcv-24087 |
| 12 | 34.43314204 | -118.648462 | 2025-05-12T16:44:03Z | B82 | Ppm202grd165wellcv-24170 |
| 13 | 34.43537196 | -118.649677 | 2025-05-12T17:20:01Z | Y1 | Grd179ppm3000well |
| 14 | 34.433193 | -118.647699 | 2025-05-12T15:56:00Z | Y101 | Y101PPM900WELLCV24169 |
| 15 | 34.43182097 | -118.647354 | 2025-05-12T16:25:35Z | Y105 | Y105PP600CV24199 |
| 16 | 34.43694902 | -118.647417 | 2025-05-12T18:26:06Z | Y121 | 500Ppmgrd77surface |
| 17 | 34.43695203 | -118.647331 | 2025-05-12T18:29:07Z | Y122 | 1523Ppmgrd77surface |
| 18 | 34.43685598 | -118.647277 | 2025-05-12T18:31:35Z | Y123 | 1523Ppmgrd77wellccv24120 |
| 19 | 34.43699101 | -118.647253 | 2025-05-12T18:33:57Z | Y124 | 3245Ppmgrd77surface |
| 20 | 34.43716301 | -118.646948 | 2025-05-12T18:41:09Z | Y126 | 4523Ppmgrd77wellccnsmp01 |
| 21 | 34.43709402 | -118.646776 | 2025-05-12T18:44:56Z | Y128 | 2823Ppmgrd78surface |
| 22 | 34.43700501 | -118.645966 | 2025-05-12T19:06:33Z | Y132 | 4424Ppmgrd79surface |
| 23 | 34.43768797 | -118.644118 | 2025-05-12T19:14:34Z | Y133 | 700Ppmgrd80wellcvH-1 |
| 24 | 34.43491297 | -118.651035 | 2025-05-12T16:04:34Z | Y21 | 645Ppmgrd181wellcv2352 |
| 25 | 34.43486502 | -118.650899 | 2025-05-12T16:12:51Z | Y22 | 4032Ppmgrd181wellnoid |
| 26 | 34.43523601 | -118.65065 | 2025-05-12T16:26:43Z | Y23 | 806Ppmgrd180wellnoid |
| 27 | 34.435321 | -118.650468 | 2025-05-12T16:38:48Z | Y24 | 5023Ppmgrd180wellCv1607 |
| 28 | 34.43536601 | -118.650292 | 2025-05-12T16:43:55Z | Y25 | 4098Ppmgrd180surface |
| 29 | 34.43469202 | -118.650193 | 2025-05-12T16:52:28Z | Y26 | 540Ppmgrd176surface |
| 30 | 34.434616 | -118.650283 | 2025-05-12T16:54:08Z | Y27 | 9056Ppmgrd176wellcv1902A |
| 31 | 34.43473804 | -118.650054 | 2025-05-12T16:57:23Z | Y28 | 500Ppmgrd176surface |
| 32 | 34.43499302 | -118.649303 | 2025-05-12T17:26:21Z | Y29 | 1076Ppmgrd177wellnoid |
| 33 | 34.43551001 | -118.648856 | 2025-05-12T17:38:22Z | Y31 | 500Ppmgrd156wellnoid |
| 34 | 34.43557899 | -118.648831 | 2025-05-12T17:41:08Z | Y32 | 1423Ppmgrd156wellcv2201 |
| 35 | 34.43565703 | -118.64838 | 2025-05-12T17:48:20Z | Y33 | 700Ppmgrd156wellCv24040 |
| 36 | 34.43665196 | -118.647901 | 2025-05-12T18:03:23Z | Y34 | 1423Ppmgrd145wellnoid |
| 37 | 34.43692102 | -118.647658 | 2025-05-12T18:15:05Z | Y36 | 500Ppmgrd77wellp2 |
| 38 | 34.43690401 | -118.647616 | 2025-05-12T18:17:31Z | Y37 | 500Ppmgrd77surface |
| 39 | 34.436917 | -118.647585 | 2025-05-12T18:21:39Z | Y38 | 1023Ppmgrd77surface |
| 40 | 34.43696201 | -118.647485 | 2025-05-12T18:24:11Z | Y39 | 4021Ppmgrd77surace |
| 41 | 34.434875 | -118.648474 | 2025-05-12T16:10:23Z | Y41 | Ppm608grid157wellramsp04 |
| 42 | 34.43428097 | -118.649682 | 2025-05-12T16:20:40Z | Y42 | Ppm568grid173wellramsp05 |

| | | | | | |
|---|---|---|---|---|---|
| 43 | 34.43367597 | -118.651335 | 2025-05-12T17:17:08Z | Y43 | Ppm556grid202wellcv2354 |
| 44 | 34.43352501 | -118.652021 | 2025-05-12T17:41:30Z | Y44 | Ppm614grid205wellsw68 |
| 45 | 34.43434199 | -118.648301 | 2025-05-12T16:31:31Z | Y61 | 590-Ppm grid 158-well cv2328 |
| 46 | 34.43475103 | -118.647406 | 2025-05-12T17:07:03Z | Y62 | 5000-Ppm grid 153-well cv24074 |
| 47 | 34.43523299 | -118.646488 | 2025-05-12T17:33:38Z | Y63 | 6000-Ppm grid 148-well cv2305 |
| 48 | 34.43533801 | -118.645769 | 2025-05-12T17:43:08Z | Y64 | 1200-Ppm grid 53-well h1804a |
| 49 | 34.43427502 | -118.645703 | 2025-05-12T18:03:40Z | Y65 | 6000-Ppm grid 82-un marked well |
| 50 | 34.43460401 | -118.646054 | 2025-05-12T18:12:51Z | Y66 | 900-Ppm grid 82-well cv24094 |
| 51 | 34.434429 | -118.646416 | 2025-05-12T18:22:11Z | Y67 | 590 Ppm grid 149well cv 24153 |
| 52 | 34.43402197 | -118.646337 | 2025-05-12T15:46:57Z | Y81 | Ppm520grd83suface |
| 53 | 34.43246101 | -118.64807 | 2025-05-12T16:55:50Z | Y82 | Ppm652grd163wellcv-24089 |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Sanchez |
| Instrument: | TVA1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 73 | Y81 | well CV2932 | 748 | 5-13-25 | | | | | | | | |
| 57 | Y82 | well 24213 | 500 | | | | | | | | | |
| 63 | Y83 | well CV1538 | 700 | | | | | | | | | |
| 63 | Y84 | well CV1535 | 510 | | | | | | | | | |
| 227 | Y61 | Surface | 1500 | | | | | | | | | |
| 227 | Y62 | Surface | 5000 | | | | | | | | | |
| 241 | Y63 | well CV24245 | 1400 | | | | | | | | | |
| 241 | Y64 | Surface | 2400 | | | | | | | | | |
| 240 | Y65 | Surface | 6000 | | | | | | | | | |
| 240 | Y66 | Surface | 7000 | | | | | | | | | |
| 246 | Y21 | Surface | 740 | | | | | | | | | |
| 248 | Y22 | Surface | 580 | | | | | | | | | |
| 239 | Y23 | PIPE | 636 | | | | | | | | | |
| 55 | Y101 | well CV2707 | 1000 | | | | | | | | | |
| 60 | Y102 | well CV2402 | 600 | | | | | | | | | |
| 36 | Y103 | well CV2324 | 1000 | | | | | | | | | |
| 37 | Y104 | well H-2165E | 2000 | | | | | | | | | |
| 38 | Y105 | well CV1703 | 1000 | | | | | | | | | |
| 35 | Y106 | well H1501S | 700 | | | | | | | | | |
| 51 | Y107 | well CV6 | 800 | | | | | | | | | |
| 50 | Y108 | well CV8 | 800 | | | | | | | | | |
| 57 | Y109 | well CV9 | 3000 | ↓ | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Gardner |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 59 | Y121 | Well H-21660 | 760 | 5-13-25 | | | | | | | | |
| 59 | Y122 | Well CV24111 | 1,952 | | | | | | | | | |
| 32 | Y123 | Well H-21886 | 1,521 | | | | | | | | | |
| 33 | Y124 | Well CV24109 | 860 | | | | | | | | | |
| 31 | Y125 | Surface | 1,218 | | | | | | | | | |
| 30 | Y126 | Well CV24191 | 970 | | | | | | | | | |
| 84 | Y127 | Well H-18045 | 4023 | | | | | | | | | |
| 92 | Y128 | Well CV009 | 990 | | | | | | | | | |
| 92 | Y129 | Surface | 1,232 | | | | | | | | | |
| 93 | 41 | Well A-1 | 1,850 | | | | | | | | | |
| 52 | 42 | Well A-5 | 1,573 | | | | | | | | | |
| 21 | 43 | Well C-8 | 2,401 | | | | | | | | | |
| 48 | 44 | Well C-9 | 29,770 | | | | | | | | | |
| 49 | 45 | Well SW-65 | 1,226 | | | | | | | | | |
| 44 | 46 | Well C-11 | 1,835 | | | | | | | | | |
| 64 | 47 | Well C-12 | 22-24 | | | | | | | | | |
| 65 | 48 | Well C-27 | 10,150 | | | | | | | | | |
| 65 | 49 | Well C-15 | 10,470 | | | | | | | | | |
| 58 | 410 | Well H-22 | 3,768 | | | | | | | | | |
| 71 | 411 | Well C-23 | 10,360 | | | | | | | | | |
| 71 | 412 | Well C-22 | 791 | ✓ | | | | | | | | |
| | | | | | | | | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | Page 1 of 1 Pages |
| Technician: | Stephen Borchers | | |
| Instrument: | TVA1000 | | |
| Calibration Standard: | 500 ppm | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 249 | B21 | Surface | 227 | 5-13-25 | | | | | |
| 39 | B102 | well CV24211 | 300 | | | | | | |
| 94 | B41 | Surface | 230 | | | | | | |
| 102 | B61 | Surface | 209 | | | | | | |
| 237 | B68 | well 237 | 230 | | | | | | |
| 32 | B121 | well CV1907 | 400 | | | | | | |
| 84 | B123 | well H1764 | 200 | | | | | | |
| 91 | B124 | Surface | 300 | | | | | | |
| 92 | B125 | well CGSM501 | 300 | | | | | | |
| 92 | B1 | Well A-2 | 232 | | | | | | |
| 50 | B2 | Well unmarked | 242 | | | | | | |
| 80 | B3 | Well SW-80 | 391 | ✓ | | | | | |
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5-13-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.431582 | -118.643322 | 2025-05-13T15:55:39Z | B1 | 1815PPMGRD92WALLA1 |
| 2 | 34.43272797 | -118.643822 | 2025-05-13T17:24:29Z | B102 | Ppm300grd39 |
| 3 | 34.43426404 | -118.64488 | 2025-05-13T17:07:35Z | B121 | 400Ppmgrd33wellCv-1907 |
| 4 | 34.43318001 | -118.645599 | 2025-05-13T17:42:49Z | B123 | 200Ppmgrd84wellH1764N |
| 5 | 34.43177998 | -118.644574 | 2025-05-13T18:14:01Z | B124 | 300Ppmgrd91surface |
| 6 | 34.43155702 | -118.644326 | 2025-05-13T18:28:18Z | B125 | 300Ppmgrd92wellccsms01 |
| 7 | 34.43193496 | -118.643066 | 2025-05-13T16:02:05Z | B2 | 242PPMGRD50WELLUNMARKED |
| 8 | 34.42755483 | -118.6486347 | 2025-05-13T16:25:38Z | B21 | Ppm227 grd249surface |
| 9 | 34.43830999 | -118.643325 | 2025-05-13T17:19:42Z | B3 | 391PPMGRD80WELLSW80 |
| 10 | 34.42811097 | -118.648395 | 2025-05-13T15:36:59Z | B41 | PPM230WEll237 |
| 11 | 34.43016596 | -118.647648 | 2025-05-13T16:24:15Z | B61 | PPM209SURF102 |
| 12 | 34.4283833 | -118.6481041 | 2025-05-14T12:39:45Z | B68 | 230PPM WELL237 |
| 13 | 34.431223 | -118.643782 | 2025-05-13T15:53:25Z | Y1 | 1850PPMGRD93WELLA1 |
| 14 | 34.43691197 | -118.641523 | 2025-05-13T17:01:49Z | Y10 | 3768PPMGRD58PIPEH22 |
| 15 | 34.43601804 | -118.644202 | 2025-05-13T16:00:05Z | Y101 | Ppm1000grd55 |
| 16 | 34.43525797 | -118.644159 | 2025-05-13T16:14:40Z | Y102 | Ppm600grd60 |
| 17 | 34.434516 | -118.6442 | 2025-05-13T16:19:54Z | Y103 | Ppm1000grd36 |
| 18 | 34.43423999 | -118.64416 | 2025-05-13T16:23:25Z | Y104 | Ppm2000grd37 |
| 19 | 34.43341001 | -118.643984 | 2025-05-13T16:41:40Z | Y105 | Ppm1000grd38 |
| 20 | 34.43288203 | -118.644454 | 2025-05-13T16:46:00Z | Y106 | Ppm700grd35 |
| 21 | 34.43270098 | -118.642831 | 2025-05-13T17:32:13Z | Y107 | Ppm800grd51 |
| 22 | 34.431999 | -118.643821 | 2025-05-13T17:37:01Z | Y108 | Ppm800 WELLCV8 |
| 23 | 34.43315101 | -118.641607 | 2025-05-13T18:26:18Z | Y109 | Ppm3000 WELLCV9 |
| 24 | 34.43796298 | -118.642632 | 2025-05-13T17:11:33Z | Y11 | 10310PPMGRD71WELLC23 |
| 25 | 34.43819297 | -118.642845 | 2025-05-13T17:15:12Z | Y12 | 791PPMGRD71WELLC22 |
| 26 | 34.43558201 | -118.644827 | 2025-05-13T16:24:58Z | Y121 | 760Ppmgrd59wellH-2166c |
| 27 | 34.43534103 | -118.644926 | 2025-05-13T16:34:06Z | Y122 | 1952Ppmgrd59wellCv24111 |
| 28 | 34.43442598 | -118.644788 | 2025-05-13T17:00:55Z | Y123 | 1521Ppmgrd32wellH-2168-c |
| 29 | 34.43400504 | -118.644854 | 2025-05-13T17:16:31Z | Y124 | 800Ppmgrd33wellcv24109 |
| 30 | 34.43394997 | -118.64542 | 2025-05-13T17:23:02Z | Y125 | 1218Ppmgrd30surface |
| 31 | 34.43385802 | -118.645563 | 2025-05-13T17:25:57Z | Y126 | 970Ppmgrd30cv24191 |
| 32 | 34.43311798 | -118.645674 | 2025-05-13T17:37:25Z | Y127 | 4023Ppmgrd84wellH-1804s |
| 33 | 34.43183798 | -118.644236 | 2025-05-13T18:21:44Z | Y128 | 990Ppmgrd92wellcv-009 |
| 34 | 34.43190998 | -118.644229 | 2025-05-13T18:23:37Z | Y129 | 1232Ppmgrd92surface |
| 35 | 34.43249202 | -118.641657 | 2025-05-13T16:15:23Z | Y2 | 1573PPMGRD52WELLA5 |
| 36 | 34.42730203 | -118.650016 | 2025-05-13T15:55:02Z | Y21 | Ppm740grd246surface |
| 37 | 34.42694304 | -118.648947 | 2025-05-13T16:10:18Z | Y22 | Ppm580grd 248surface |
| 38 | 34.42790796 | -118.648955 | 2025-05-13T16:47:31Z | Y23 | Ppm636grd239surface/pipeno# |
| 39 | 34.43366901 | -118.640859 | 2025-05-13T16:21:02Z | Y3 | 2401PPMGRD21WELLC8 |
| 40 | 34.43418802 | -118.641035 | 2025-05-13T16:27:35Z | Y4 | 20770PPMGRD48WELLC9 |
| 41 | 34.43084196 | -118.645877 | 2025-05-13T17:11:30Z | Y411 | Y41PPM230SURF94 |
| 42 | 34.43015196 | -118.645404 | 2025-05-13T17:04:32Z | Y42 | Y42PPM58-32SURF95 |
| 43 | 34.43013503 | -118.645761 | 2025-05-13T16:56:35Z | Y45 | PPM30-29SURF98 |

| | | | | | |
|---|---|---|---|---|---|
| 44 | 34.43483099 | -118.641205 | 2025-05-13T16:33:35Z | Y5 | 1226PPMGRD48WELLSW65 |
| 45 | 34.43528202 | -118.641294 | 2025-05-13T16:37:51Z | Y6 | 1835PPMGRD44WELLC11 |
| 46 | 34.42960798 | -118.651094 | 2025-05-13T16:45:45Z | Y61 | 1500-Ppm grid 227-surface |
| 47 | 34.42989799 | -118.6481 | 2025-05-13T16:18:33Z | Y62 | 5000PPMSURF |
| 48 | 34.42859 | -118.650102 | 2025-05-13T17:49:39Z | Y63 | 1400-Ppm grid 241-well cv 24245-capped |
| 49 | 34.42833301 | -118.649879 | 2025-05-13T18:02:25Z | Y64 | 2400-Ppm grid 241-surface |
| 50 | 34.428461 | -118.6497 | 2025-05-13T18:07:53Z | Y65 | 6000-Ppm grid 240-surface |
| 51 | 34.42848003 | -118.649571 | 2025-05-13T18:14:57Z | Y66 | 7000-Ppm grid 240-surface |
| 52 | 34.43594897 | -118.640891 | 2025-05-13T16:41:28Z | Y7 | 2224PPMGRD64WELLC12 |
| 53 | 34.43617503 | -118.640988 | 2025-05-13T16:49:34Z | Y8 | 10150PPMGRD65WELLC27 |
| 54 | 34.43727901 | -118.64405 | 2025-05-13T15:21:10Z | Y81 | Ppm748grid73cv2432well |
| 55 | 34.43659899 | -118.642948 | 2025-05-13T16:24:40Z | Y82 | 500Ppmgrid57wellcv24213 |
| 56 | 34.435479 | -118.642306 | 2025-05-13T17:19:21Z | Y83 | Ppm700grid63wellcv153b |
| 57 | 34.43546198 | -118.642313 | 2025-05-13T17:20:34Z | Y84 | Ppm510grid63wellcv153s |
| 58 | 34.43628098 | -118.641045 | 2025-05-13T16:55:54Z | Y9 | 10470PPMGRD65WELLC15 |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 500 |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| B | 421 | WELL TD38 | 700 | 5-14-25 | | | | | | | | |
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5-14-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.42974896 | -118.642698 | 2025-05-14T15:00:23Z | Y21 | 700PPM WELLT038 |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Bonhus |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 155 | 27.59 | 5-14-25 | | | | | | | | |
| 163 | 75.19 | ↓ | | | | | | | | |
| 81 | 26.73 | | | | | | | | | |
| 82 | 139 | | | | | | | | | |
| 149 | 71.26 | | | | | | | | | |
| 159 | 34.81 | ✓ | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 2nd QTR/ 2025 | | 2nd QTR/2025 | | | | | | | | |
| Technician: | Stephen Boehms | | Jerry Munoz | | | | | | | | |
| Instrument: | TVA 1000 | | TVA 1000 | | | | | | | | |
| Calibration Standard: | 25ppm | | 25 PPM | | | | | | | | |
| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | | |
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | |
| 85 | 26.40 | 5-7-25 | | 5-16-25 | 19.80 | | | | | | |
| 79 | 26.82 | | | | 17.98 | | | | | | |
| 51 | 65.66 | | | | 11.10 | | | | | | |
| 52 | 26.78 | ↓ | | ↓ | 12.65 | | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita canyon INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: # 45 SERIAL #: 67210439

MONITORING DATE: 5-16-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.6 ppm | 2.8 ppm | 2.2 ppm |

Background Value = 2.2 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.9 ppm | 20 ppm | 6 |
| #2 | 25.0 ppm | 20 ppm | 7 |
| #3 | 24.5 ppm | 20 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | #DIV/0! Must be less than 30 seconds |

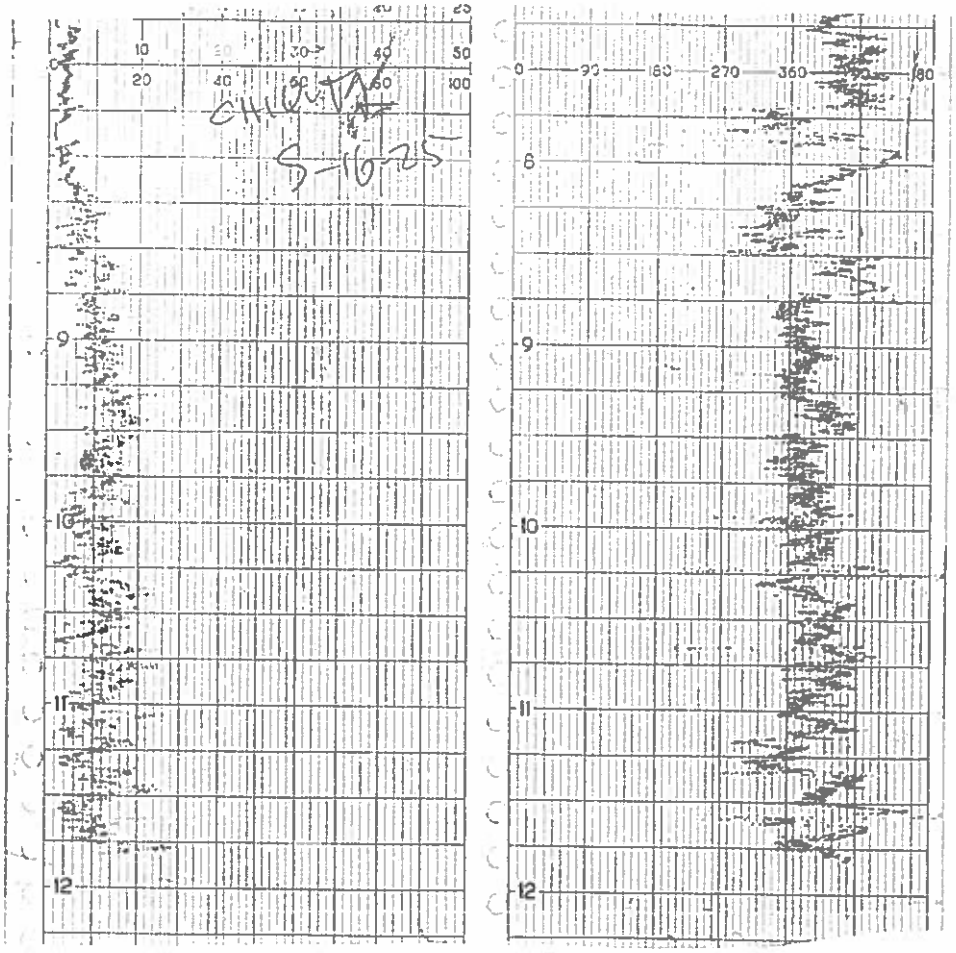
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.69 ppm | 24.9 ppm | .01 |
| #2 | 0.67 ppm | 25.0 ppm | 0 |
| #3 | 0.71 ppm | 24.5 ppm | .05 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 0.2 #DIV/0! Must be less than 10% |

Performed By J. Munoz Date/Time: 5-6-25 0730

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon Landfill



| | | |
|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 |
| Technician: | Stephen Borches | Jerry Munoz |
| Instrument: | TVA1000 | TVA1000 |
| Calibration Standard: | 25ppm | 25 PPM |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 165 | 51.25 | 5-6-25 | | 5-16-25 | 23.70 | | | | | |
| 167 | 56.41 | ↓ | | ↓ | 20.65 | | | | | |
| 154 | 54.13 | | | | 20.48 | | | | | |
| 195 | 25.20 | | | | 17.43 | | | | | |
| 199 | 28.50 | | | | 9.55 | | | | | |
| 214 | 33.30 | | | | 18.25 | | | | | |
| 88 | 28.20 | | | | 9.20 | | | | | |
| 204 | 64.00 | | | | 17.25 | | | | | |
| 206 | 26.20 | ↓ | | ↓ | 19.85 | | | | | |

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## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita canyon INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: # 45 SERIAL #: 67210439

MONITORING DATE: 5-16-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.6 ppm | 2.8 ppm | 2.2 ppm |

Background Value = 2.2 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.9 ppm | 20 ppm | 6 |
| #2 | 25.0 ppm | 20 ppm | 7 |
| #3 | 24.5 ppm | 20 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | #DIV/0! Must be less than 30 seconds |

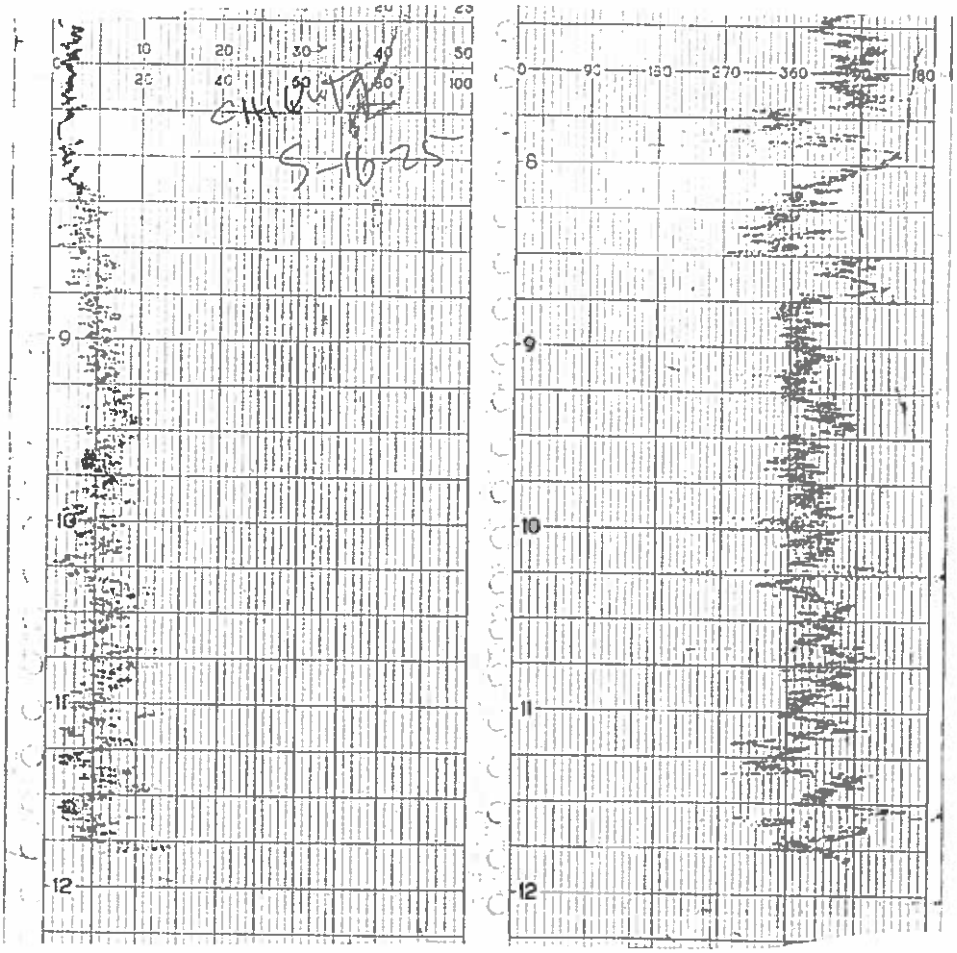
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.69 ppm | 24.9 ppm | .01 |
| #2 | 0.67 ppm | 25.0 ppm | 0 |
| #3 | 0.71 ppm | 24.5 ppm | .05 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 0.2 #DIV/0! Must be less than 10% |

Performed By: J. Munoz Date/Time: 5-6-25 0730

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | 2ND QTR 2025 |
| Technician: | Stephen Burchett | Eric Gomez | JMUNOZ |
| Instrument: | TVA1000 | TVA 1000 | TVA 1000 |
| Calibration Standard: | 500ppm | 500 ppm | 500 PM |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 174 | Y41 | CV2342A | 506 | 4-28-25 | 0822 | 5-6-25 | 177 | | | 5-16-25 | | |
| 171 | Y42 | CV2307 | 2,500 | | 0834 | | | 5014 | 0910 | | 105 | |
| 159 | Y43 | CV2472 | 750 | | 0825 | | | 933 | 0915 | | 210 | |
| 204 | Y61 | Surface | 678 | | 0839 | | | 683 | 0940 | | 79.6 | |
| 166 | Y62 | CV2408J | 644 | | 0815 | | | 617 | 0920 | | 45.2 | |
| 80 | Y101 | Well H1 | 5,170 | | 0900 | | 183 | | | | | |
| 79 | Y102 | well CV24141 | 595 | | 0921 | | 298 | | | | | |
| 79 | Y103 | well CV48R | 6,285 | | 0923 | | | 842 | 0829 | | 200 | |
| 78 | Y104 | well CV24123 | 5,760 | | 0925 | | | 859 | 0825 | | 103 | |
| 78 | Y105 | Surface SVE | 1,273 | | 0928 | | | 623 | 0824 | | 99.6 | |
| 78 | Y106 | well CV24122 | 4,512 | | 0931 | | | 6647 | 0822 | | 22.9 | |
| 78 | Y107 | well CV24125 | 10,000 | | 0934 | | 7.3 | | | | | |
| 77 | Y108 | well CV1113 | 4,575 | | 0942 | | 96 | | | | | |
| 78 | Y109 | well CCNSM 201 | 10,000 | | 0938 | | | 8972 | 0820 | | 300 | |
| 77 | Y110 | well CV24124 | 5,623 | | 0944 | | 4.6 | | | | | |
| 77 | Y111 | well unmarked | 1620 | | 0947 | | | 652 | 0813 | | 310 | |
| 77 | Y112 | well CCNSM 202 | 60,000 | | 0950 | | | 24,973 | 0811 | | 416 | |
| 66 | Y113 | well 2316A | 710 | | 1002 | | 9.1 | | | | | |
| 53 | Y114 | well CV2319 | 3684 | | 1010 | | | 1140 | 0800 | | 89.6 | |
| 53 | Y115 | well H1804A | 1,357 | | 1012 | | | 1513 | 0802 | | 92.1 | |
| 81 | Y116 | well CV1426 | 2,148 | | 0905 | | | 3138 | 0843 | | 47.6 | |
| 81 | Y117 | well H1955C | 1530 | | 0907 | | | 1507 | 0840 | | 19.2 | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | 2nd QTR 2025 |
| Technician: | Stephen Butchers | Eric Gomez | V. Munoz |
| Instrument: | TVA1000 | TVA 1000 | TVA 1000 |
| Calibration Standard: | 500ppm | 500 ppm | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work * | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 81 | Y118 | well HZ1473 | 1339 | 4-28-25 | 0903 | 5-6-25 | | 1374 | 0845 | 5-6-25 | 89.6 | |
| 82 | Y119 | well CV24150 | 1647 | | 0912 | | | 1157 | 0849 | | 74.3 | |
| 82 | Y120 | well CV24644 | 9,751 | | 0914 | | | 1724 | 0852 | | 22.1 | |
| 82 | Y121 | Black Pipe | 3,644 | | 0916 | | | 2422 | 0854 | | 19.6 | |
| 99 | Y122 | steel pipe | 10,000 | | 1040 | | | 1,584 | 0856 | | 59.9 | |
| 216 | Y123 | Cyclic w Pipe Conn. | 6,723 | | 0845 | | | 6702 | 0935 | | 46.1 | |
| 175 | Y21 | CV2353 | 900 | | 0805 | | 232 | | | | | |
| 176 | Y22 | CV1902A | 750 | | 0807 | | 3.2 | | | | | |
| 156 | Y23 | CV2201 | 900 | | 0830 | | | 1534 | 0925 | | 310 | |

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## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA CANYON INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #19 SERIAL #: 0720723818

MONITORING DATE: 5-16-25 TIME: 0730

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.6 ppm | 2.8 ppm | 2.2 ppm |

Background Value = 2.2 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 500 ppm | 450 ppm | 5 |
| #2 | 500 ppm | 450 ppm | 5 |
| #3 | 501 ppm | 450 ppm | 6 |
| Calculate Response Time (1+2+3) / 3 | | | 5.3 #DIV/0! Must be less than 30 seconds |

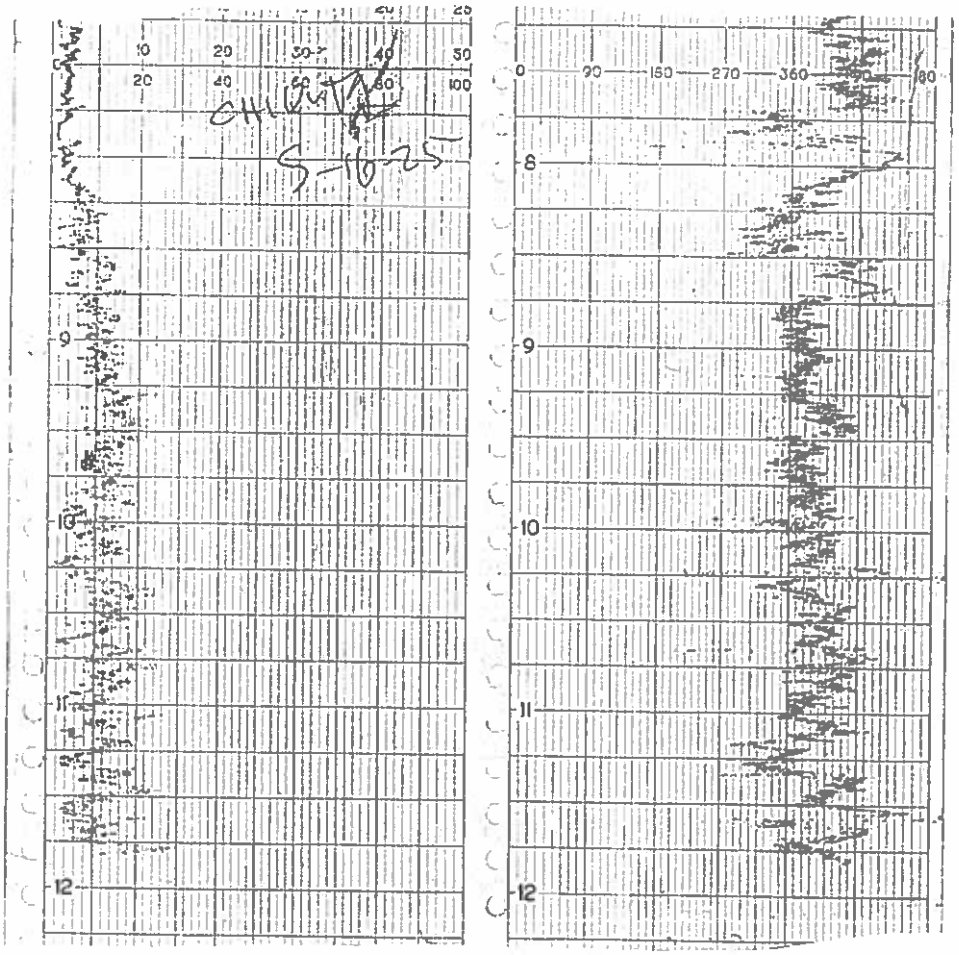
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.59 ppm | 500 ppm | 0 |
| #2 | 0.58 ppm | 500 ppm | 0 |
| #3 | 0.60 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.1 #DIV/0! Must be less than 10% |

Performed By: J. Munoz Date/Time: 5-16-25 0730

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 199 | 25.62 | 5-14-25 | | | | | | | | |
| 195 | 25.71 | ↓ | | | | | | | | |
| 185 | 46.34 | | | | | | | | | |
| 180 | 68.63 | | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Borchardt |
| Instrument: | TVA 1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 215 | 29.30 | 5-20-25 | | | | | | | | |
| 214 | 27.90 | ↓ | | | | | | | | |

# CHIQUITA CANYON LANDFILL (1150.1)
## PERIMETER GAS MONITORING DATA SHEET

101

Date 5-22-25 | Weather Conditions Sunny

Technician Robert Johns | Temp. 82° °F

Inst. GEM | Model 5000 | Wind Speed (MPH) & Direction 4 E

Serial # G500530 | Barometric Pressure 29.98 in. Hg

| Probe Number | Time | Date | CH4% (% Vol.) | CO2% | O2% | Bal.% | Evac. Pumps | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-A - 10 | 0934 | 5-22-25 | 0.0 | 0.0 | 21.1 | 78.9 | 6 | -.38 | |
| 51 | 0933 | | 0.0 | 0.0 | 21.1 | 78.9 | 19 | -1.61 | |
| 102 | 0935 | | 0.0 | 0.0 | 21.2 | 78.8 | 39 | +.06 | |
| 151.5 | 0937 | | 0.0 | 0.0 | 21.2 | 78.8 | 95 | -.24 | |
| GP-1R - 26 | 1103 | | 0.0 | 0.1 | 21.9 | 78.0 | 16 | +.10 | |
| 38 | 1105 | | 0.0 | 0.1 | 22.2 | 77.7 | 26 | +.06 | |
| 47 | 1107 | | 0.0 | 0.1 | 22.3 | 77.6 | 18 | +.07 | |
| GP-2 - 15.5 | 1049 | | 0.0 | 0.1 | 20.6 | 79.3 | 16 | +.07 | |
| 44.5 | 1052 | | 0.0 | 0.1 | 21.2 | 78.7 | 18 | +.07 | |
| 53 | 1054 | | 0.0 | 0.1 | 21.3 | 78.6 | 19 | +.06 | |
| GP-5 - 10 | 1039 | | 0.0 | 4.8 | 16.3 | 76.9 | 6 | +.13 | |
| 45 | 1041 | | 0.0 | 0.3 | 20.8 | 78.9 | 18 | +.10 | |
| 93 | 1043 | | 0.0 | 0.1 | 20.7 | 79.2 | 64 | +.08 | |
| GP-6 - 10 | 1031 | | 0.0 | 0.3 | 20.7 | 79.0 | 6 | +.14 | |
| 30 | 1033 | | 0.0 | 0.7 | 20.3 | 79.0 | 20 | +.09 | |
| 60 | 1035 | | 0.0 | 0.0 | 20.9 | 79.1 | 41 | -.30 | |
| GP-7 - 10 | 1024 | | 0.0 | 0.3 | 20.7 | 79.0 | 6 | +.03 | |
| 30 | 1026 | | 0.0 | 1.5 | 18.9 | 79.6 | 20 | +.32 | |
| 60 | 1028 | | 0.0 | 0.2 | 20.5 | 79.3 | 41 | -.06 | |
| GP-8 - 10 | 1014 | | 0.0 | 0.4 | 21.0 | 78.6 | 6 | +.10 | |
| 60 | 1016 | | 0.0 | 0.4 | 19.4 | 80.2 | 41 | +.11 | |
| 120 | 1018 | | 0.0 | 0.6 | 20.2 | 79.2 | 75 | +.11 | |
| GP-9 - 25 | 1006 | | 0.0 | 1.0 | 20.1 | 78.9 | 16 | +.08 | |
| 55 | 1008 | | 0.0 | 0.1 | 21.3 | 78.6 | 20 | +.11 | |
| 83 | 1010 | | 0.0 | 0.0 | 21.5 | 78.5 | 51 | +.09 | |
| GP-10 - 22 | 0943 | | 0.0 | 2.2 | 18.2 | 79.6 | 17 | +.41 | |
| 37 | 0945 | | 0.0 | 1.3 | 17.5 | 81.2 | 26 | -.20 | |
| 63 | 0947 | | 0.0 | 0.0 | 21.2 | 78.8 | 42 | -.11 | |
| 87 | 0949 | | 0.0 | 0.0 | 21.3 | 78.7 | 59 | -.09 | |
| GP-11 - 10 | 0918 | | 0.0 | 0.6 | 20.4 | 79.0 | 6 | -.23 | |
| 70 | 0920 | | 0.0 | 7.4 | 10.7 | 81.9 | 49 | -.70 | |
| 141 | 0922 | | 0.0 | 1.6 | 16.4 | 82.0 | 102 | -.36 | |
| 208 | 0924 | ✓ | 0.0 | 1.0 | 19.4 | 79.6 | 137 | -.41 | |

## CHIQUITA CANYON LANDFILL (1150.1)
## PERIMETER GAS MONITORING DATA SHEET

101

Date 5-22-25 Weather Conditions Sunny

Technician Robert Johns Temp 82° °F

Inst. GEM Model 5000 Wind Speed (MPH) & Direction 4 E

Serial # G500530 Barometric Pressure 29.98 in. Hg

| Probe Number | Time | Date | CH4% (% Vol.) | CO2% | O2% | Bal.% | Evac. Pumps | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-12 - 12 | 0859 | 5-22-25 | 0.0 | 0.1 | 20.5 | 79.4 | 4 | +.10 | |
| 38 | 0902 | | 0.0 | 0.0 | 20.5 | 79.5 | 26 | +.08 | |
| 74 | 0904 | | 0.0 | 0.0 | 20.5 | 79.5 | 50 | +.08 | |
| 110 | 0906 | | 0.0 | 0.0 | 20.7 | 79.3 | 75 | 0.09 | |
| 224 | 0908 | | 0.0 | 0.0 | 20.7 | 79.3 | 171 | +.31 | |
| GP-13 - 10 | 0833 | | 0.0 | 0.5 | 19.6 | 79.9 | 6 | +.03 | |
| 29 | 0834 | | 0.0 | 5.0 | 17.0 | 78.0 | 19 | .0 | |
| 58 | 0841 | | 25.9 | 11.8 | 1.7 | 60.6 | 39 | -.18 | |
| 87 | 0847 | | 4.6 | 8.9 | 3.2 | 83.3 | 59 | -.88 | |
| 173 | 0852 | | 10.9 | 4.7 | 2.1 | 82.3 | 109 | +.05 | |
| GP-14 - 10 | 0749 | | 0.0 | 0.0 | 21.0 | 79.0 | 6 | -.05 | |
| 23 | 0752 | | 0.0 | 0.1 | 20.9 | 79.0 | 15 | .01 | |
| 44 | 0753 | | 0.0 | 1.8 | 16.7 | 79.5 | 30 | .01 | |
| 67 | 0756 | | 0.0 | 3.7 | 11.6 | 84.7 | 46 | -.45 | |
| 134 | 0758 | | 0.0 | 3.9 | 13.9 | 82.2 | 92 | -2.67 | |

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR/2025 | 2nd QTR / 2025 | |
| Technician: | Stephen Bouchard | Travis Pennington | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 73 | Y81 | well CV2913.2 | 748 | 5-13-25 | 9:27 | 5-22-25 | | 503 | | | | |
| 57 | Y82 | well 24213 | 500 | | 9:34 | | 29 | | | | | |
| 63 | Y83 | well CV1538 | 700 | | 9:38 | | | 556 | | | | |
| 63 | Y84 | well CV1535 | 570 | | 9:39 | | 481 | | | | | |
| 227 | Y61 | Surface | 1500 | | 8:10 | | | 1250 | | | | |
| 227 | Y62 | Surface | 5000 | | 8:09 | | 93 | | | | | |
| 241 | Y63 | well CV24245 | 1400 | | 7:45 | | | 1200 | | | | |
| 241 | Y64 | Surface | 2400 | | 7:46 | | | 1400 | | | | |
| 240 | Y65 | Surface | 6000 | | 7:49 | | | 3007 | | | | |
| 240 | Y66 | Surface | 7000 | | 7:49 | | | 566 | | | | |
| 246 | Y21 | Surface | 740 | | 7:36 | | | 900 | | | | |
| 248 | Y22 | Surface | 580 | | 7:53 | | 326 | | | | | |
| 239 | Y23 | PIPE | 636 | | 7:54 | | 280 | | | | | |
| 55 | Y101 | well CV2703 | 1000 | | 9:11 | | 28.2 | | | | | |
| 60 | Y102 | well CV24102 | 600 | | 8:39 | | 11.2 | | | | | |
| 36 | Y103 | well CV2324 | 1000 | | 9:09 | | 36 | | | | | |
| 37 | Y104 | well H-168E | 2000 | | 9:19 | | | 1296 | | | | |
| 38 | Y105 | well CV1703 | 1000 | | 9:24 | | 109 | | | | | |
| 35 | Y106 | well H-80IS | 700 | | 8:42 | | 176 | | | | | |
| 51 | Y107 | well CV6 | 800 | | 8:35 | | | 846 | | | | |
| 50 | Y108 | well CV8 | 800 | | 8:31 | | 214 | | | | | |
| 57 | Y109 | well CV9 | 3000 | ✓ | 9:00 | ✓ | 384 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician: | Stephen Beaches | Jason Connection | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 59 | Y121 | well H-21666 | 760 | 5-13-25 | 9:06 | 5-22-25 | | 3056 | | | | |
| 59 | Y122 | well CV24111 | 1,952 | | 9:05 | | | 2000 | | | | |
| 32 | Y123 | well H-21885 | 1,521 | | 8:56 | | | 970 | | | | |
| 33 | Y124 | well CV24109 | 860 | | 8:55 | | | 566 | | | | |
| 31 | Y125 | surface | 1,218 | | 8:51 | | | 908 | | | | |
| 30 | Y126 | well CV24191 | 970 | | 8:52 | | | 903 | | | | |
| 84 | Y127 | well H-18045 | 4023 | | 9:16 | | 842 | | | | | |
| 92 | Y128 | well CV009 | 990 | | 8:28 | | 344 | | | | | |
| 92 | Y129 | surface | 1,232 | | 8:29 | | 234 | | | | | |
| 93 | 41 | well A-1 | 1,850 | | 1002 | | | 780 | | | | |
| 52 | 42 | well A-5 | 1,573 | | 1003 | | | 920 | | | | |
| 21 | 43 | well G-8 | 2,401 | | 1005 | | | 1200 | | | | |
| 48 | 44 | well C-9 | 2,770 | | 1006 | | | 1400 | | | | |
| 49 | 45 | well SW-65 | 1,226 | | 1009 | | | 1050 | | | | |
| 44 | 46 | well C-11 | 1,835 | | 1011 | | | 987 | | | | |
| 64 | 47 | well C-12 | 2,224 | | 1015 | | | 1762 | | | | |
| 65 | 48 | well C-27 | 10,150 | | 1017 | | | 2012 | | | | |
| 65 | 49 | well G-15 | 10,470 | | 1018 | | | 1980 | | | | |
| 59 | 410 | well H-22 | 2,768 | | 1020 | | | 1560 | | | | |
| 71 | 411 | well C-23 | 10,360 | | 10:22 | | | 517 | | | | |
| 71 | 412 | well C-22 | 741 | ✓ | 10:24 | | | 639 | | | | |
| | | | | | | | | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | | | 2nd QTR / 2025 | | | | Page 6 of 7 Pages | |
| Technician: | Stephen Borchers | | | | Jacob Pennington | | | | | |
| Instrument: | TVA1000 | | | | TVA 1000 | | | | | |
| Calibration Standard: | 500 ppm | | | | 500 ppm | | | | | |
| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments | |
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | | |
| 249 | B21 | Surface | 227 | 5-13-25 | 7:55 | 5-22-25 | 175 | | | |
| 39 | B162 | well CV24211 | 300 | | 0925 | | 111 | | | |
| 94 | B41 | Surface | 230 | | 7:58 | | 56.2 | | | |
| 102 | B61 | Surface | 209 | | 8:11 | | 181 | | | |
| 237 | B68 | well 237 | 230 | | 8:00 | | 89.4 | | | |
| 32 | B121 | well CV1907 | 400 | | 8:59 | | 198 | | | |
| 84 | B123 | well H1764 | 200 | | 8:51 | | 140 | | | |
| 91 | B124 | Surface | 300 | | 8:05 | | 164 | | | |
| 92 | B125 | well CCSM501 | 300 | | 8:26 | | 165 | | | |
| 92 | B1 | Well A-2 | 232 | | 7:40 | | 148 | | | |
| 50 | B2 | Well unmarked | 242 | | 7:31 | | 86.4 | | | |
| 80 | B3 | well SW-80 | 391 | ↓ | 7:46 | ↓ | 172 | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 1 SERIAL #: 10.3205.32

MONITORING DATE: 5-22-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 508 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.8 ppm | 3.1 ppm | 3.0 ppm |

Background Value = 3.0 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 505 ppm | 450 ppm | 7 |
| #2 | 508 ppm | 450 ppm | 6 |
| #3 | 508 ppm | 450 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 6.7 #DIV/0! Must be less than 30 seconds |

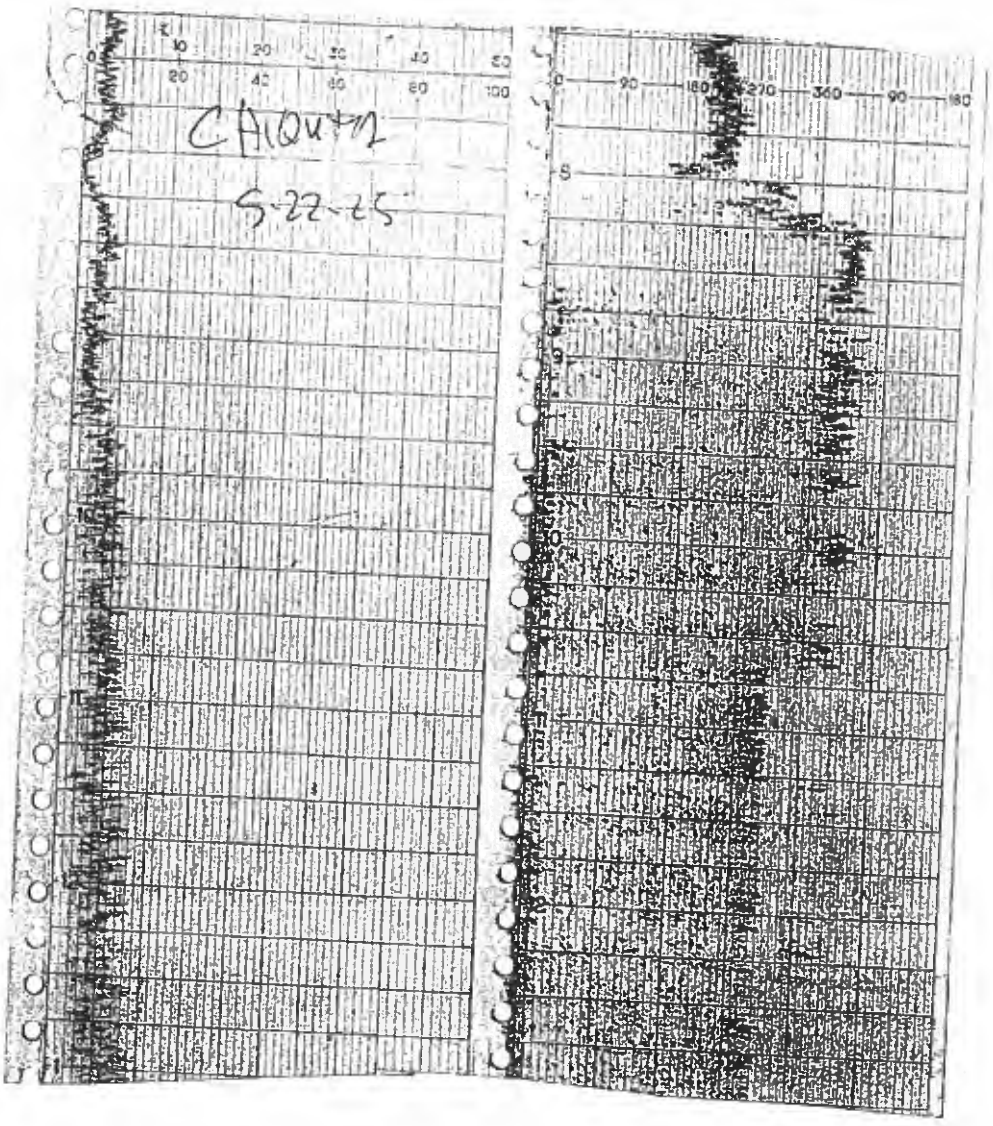
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.5 ppm | 505 ppm | 5 |
| #2 | 0.8 ppm | 508 ppm | 8 |
| #3 | 0.8 ppm | 508 ppm | 8 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 1.4 % #DIV/0! Must be less than 10% |

Performed By: J. Pennington Date/Time: 5-22-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR/2025 | 2nd Quarter 2025 | |
| Technician: | Stephen Bordner | D Hernandez | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500ppm | 500ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 179 | Y1 | well UNMARKED | 3000 | 5-12-25 | 0835 | 5/22/25 | | 2732 | | | | |
| 161 | Y101 | well CV24169 | 900 | | 0937 | | 117 | | | | | |
| 195 | Y105 | well CV24199 | 608 | | 1022 | | 173 | | | | | |
| 83 | Y81 | Surface | 520 | | 1006 | | 90.7 | | | | | |
| 163 | Y82 | well CV24089 | 652 | | 1019 | | 36.5 | | | | | |
| 157 | Y41 | well RAMSP04 | 608 | | 0947 | | 45.4 | | | | | |
| 173 | Y42 | well RAMSP05 | 568 | | 0858 | | 98.9 | | | | | |
| 200 | Y43 | well CV2354 | 956 | | 0909 | | 330 | | | | | |
| 205 | Y44 | well SW68 | 614 | | 0911 | | 88.7 | | | | | |
| 204 | Y61 | well CV2328 | 590 | | 0945 | | 172 | | | | | |
| 158 | Y62 | well CV24024 | 5000 | | 0953 | | | 3760 | | | | |
| 153 | Y63 | well CV2305 | 6000 | | 0956 | | | 7851 | | | | |
| 148 | Y64 | well H1801A | 1200 | | 0958 | | 410 | | | | | |
| 53 | Y65 | well UNMARKED | 600 | | 1010 | | 146 | | | | | |
| 82 | Y66 | well CV24014 | 900 | | 1001 | | 173 | | | | | |
| 149 | Y67 | well CV24153 | 590 | | 1002 | | 199 | | | | | |
| 181 | Y21 | well CV2362 | 645 | | 0843 | | 93.7 | | | | | |
| 181 | Y22 | well UNMARKED | 4032 | | 0842 | | | 3760 | | | | |
| 180 | Y23 | well UNMARKED | 806 | | 0839 | | 347 | | | | | |
| 180 | Y24 | well EV1607 | 5023 | | 0838 | | | 4177 | | | | |
| 180 | Y25 | Surface | 4098 | | 0838 | | | 960 | | | | |
| 176 | Y26 | Surface | 540 | | 0851 | ▽ | 93.6 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR/2024 | 2nd Quarter 2025 | |
| Technician: | Stephen Burchus | D Hernandez | |
| Instrument: | TVA 1000 | TVA1000 | |
| Calibration Standard: | 500 | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 176 | Y27 | well CV1902A | 9056 | 5-12-25 | 0850 | 5/22/25 | | 1465 | | | | |
| 178 | Y28 | Surface | 500 | | 0851 | | 112 | | | | | |
| 177 | Y29 | well unmarked | 1076 | | 0833 | | 397 | | | | | |
| 156 | Y31 | well unmarked | 500 | | 0830 | | 62.4 | | | | | |
| 156 | Y32 | well CV2201 | 1423 | | 0830 | | 421 | | | | | |
| 156 | Y33 | well CV2404 | 700 | | 0828 | | 210 | | | | | |
| 145 | Y34 | well unmarked | 1423 | | 0820 | | 191 | | | | | |
| 77 | Y36 | well P2 | 500 | | 0814 | | 21.1 | | | | | |
| 77 | Y37 | Surface | 500 | | 0813 | | 62.4 | | | | | |
| 77 | Y38 | Surface | 1023 | | 0813 | | 260 | | | | | |
| 77 | Y39 | Surface | 4021 | | 0811 | | 397 | | | | | |
| 77 | Y121 | Surface | 500 | | 0811 | | 133 | | | | | |
| 77 | Y122 | Surface | 1523 | | 0808 | | | 670 | | | | |
| 77 | Y123 | well CV2412 | 1523 | | 0809 | | 440 | | | | | |
| 77 | Y126 | well unmarked | 4523 | | 0802 | | | 3650 | | | | |
| 78 | Y128 | Surface | 2823 | | 0756 | | | 930 | | | | |
| 79 | Y132 | Surface | 4424 | | 0754 | | | 1368 | | | | |
| 80 | Y133 | well CVH-1 | 700 | | 0748 | | 114 | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

**Site:** Chiquita

| | | | | | |
|---|---|---|---|---|---|
| **Quarter / Year:** | 2nd QTR / 2025 | 2nd Quarter 2025 | | | Page \| of \| Pages |
| **Technician:** | Stephen Beerbower | D Hernandez | | | |
| **Instrument:** | | TVA 1000 | | | |
| **Calibration Standard:** | | 500 ppm | | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 169 | B41 | Well 2450 | 398 | | 0901 | 5/22/25 | 105 | | |
| 180 | B81 | Well CV2487 | 482 | | 0935 | ↓ | 93.1 | | |
| 105 | B82 | Well CV24170 | 202 | | 0933 | | 16.6 | | |
| 204 | B61 | Well CV2350 | 270 | | 0920 | | 9.7 | | |
| 176 | B30 | Well CV2403 | 200 | | 0854 | | 34.9 | | |
| 145 | B25 | Surface | 200 | | 0817 | | 17.8 | | |
| 77 | B124 | Surface | 200 | | 0805 | | 11.4 | | |
| 77 | B125 | Surface | 300 | | 0804 | | 80.6 | | |
| 78 | B127 | Surface | 200 | | 0801 | | 40.2 | | |
| 78 | B129 | Surface | 300 | | 0756 | | 33.1 | | |
| 78 | B130 | Surface | 200 | | 0757 | | 23.7 | | |
| 78 | B131 | Surface | 200 | | 0755 | ↓ | 14.3 | | |
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RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 3 SERIAL #: 158605884

MONITORING DATE: 5-22-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 504 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.8 ppm | 3.1 ppm | 3.0 ppm |

Background Value = 3.0 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 502 ppm | 450 ppm | 8 |
| #2 | 504 ppm | 450 ppm | 5 |
| #3 | 504 ppm | 450 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 6 #DIV/0! Must be less than 30 seconds |

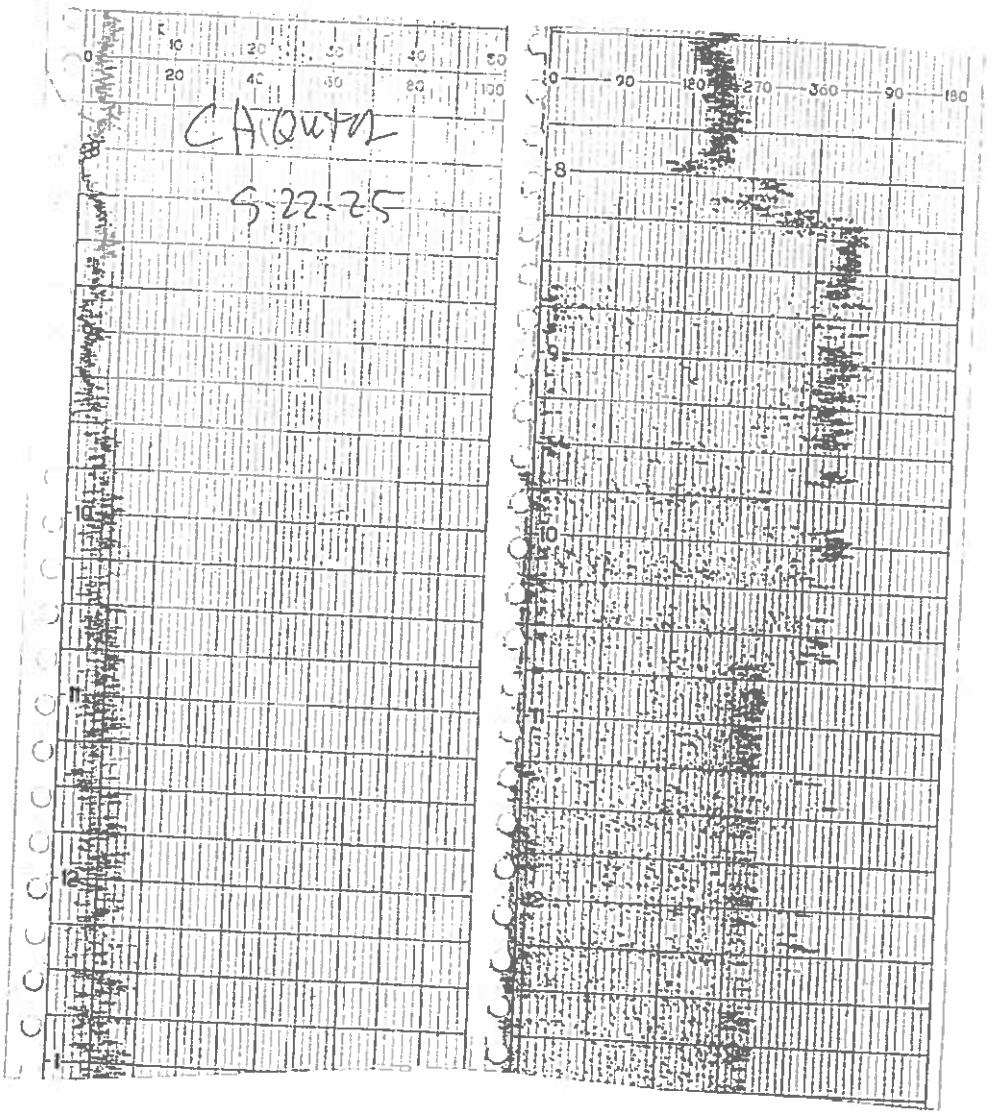
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.3 ppm | 502 ppm | 2 |
| #2 | 0.4 ppm | 504 ppm | 4 |
| #3 | 0.4 ppm | 504 ppm | 4 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.7 % #DIV/0! Must be less than 10% |

Performed By: D. Hernandez Date/Time 5-22-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd Quarter 2025 | |
| Technician: | Stephen Borchers | D Hernandez | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500 | 500 PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| B | 421 | Well TD38 | 700 | 5-14-25 | CB1 | 5/22/25 | 460 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 3 SERIAL #: 158605884

MONITORING DATE: 5-22-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 504 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.8 ppm | 3.1 ppm | 3.0 ppm |

Background Value = 3.0 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 502 ppm | 450 ppm | 8 |
| #2 | 504 ppm | 450 ppm | 5 |
| #3 | 504 ppm | 450 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 6 #DIV/0! Must be less than 30 seconds |

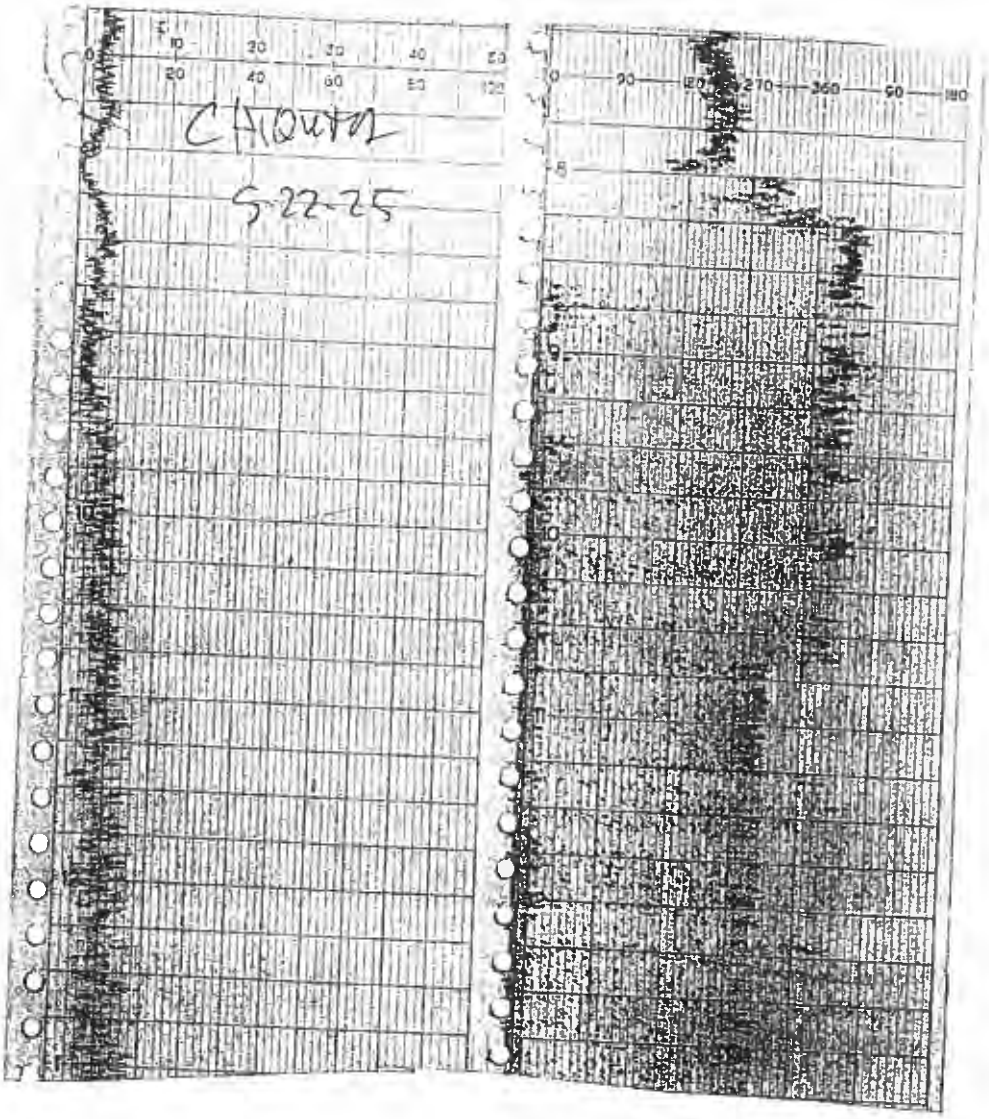
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.3 ppm | 502 ppm | 2 |
| #2 | 0.4 ppm | 504 ppm | 4 |
| #3 | 0.4 ppm | 504 ppm | 4 |
| Calculate Precision | [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | 0.7% #DIV/0! Must be less than 10% |

Performed By: D. Hernandez Date/Time: 5-22-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: CHIQUITA LANDFILL

Page of Pages

| Quarter / Year: | 2ND QTR 2025 | 2nd QTR / 2025 |
|---|---|---|
| Technician: | STEPHEN BORDERS | Frank Morcay |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 500PPM | 500 ppm |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 96 | Y61 | CU 24115 | 1200 | 4-23-25 | 847 | 5-22-25 | 439 | | | | | |
| 99 | Y62 | SURFACE | 4600 | | 846 | | 438 | | | | | |
| 216 | Y63 | CASING) WELL | 560 | | 845 | | 392 | | | | | |
| 208 | Y41 | SURFACE | 3400 | | 837 | | 179 | | | | | |
| 210 | Y42 | SURFACE/PIPE | 6400 | | 832 | | 234 | | | | | |
| 211 | Y44 | SURFACE/PIPE | 1500 | | 830 | | 94 | | | | | |
| 128 | Y1 | VOID | 500 | | 824 | | 126 | | | | | |
| 150 | Y2 | SURFACE | 6000 | | 823 | | 46 | | | | | |
| 145 | Y5 | VOID | 1360 | | 819 | | 126 | | | | | |
| 145 | Y6 | VOID | 960 | | 817 | | 256 | | | | | |
| 145 | Y7 | SURFACE | 3460 | | 816 | | 390 | | | | | |
| 145 | Y8 | WELL PI | 4923 | | 815 | | 472 | | | | | |
| 77 | Y9 | SURFACE | 2952 | | 814 | | 112 | | | | | |
| 77 | Y10 | SURFACE | 6345 | | 812 | | 271 | | | | | |
| 77 | Y11 | SURFACE | 1366 | | 811 | | 213 | | | | | |
| 27 | Y13 | SURFACE | 740 | | 808 | | 131 | | | | | |
| 78 | Y14 | SURFACE | 500 | | 800 | | 127 | | | | | |
| 78 | Y15 | WELLCAP | 500 | | 759 | | 248 | | | | | |
| 77 | Y16 | SURFACE | 500 | | 806 | | 54 | | | | | |
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## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd 2025 | 2nd QTR 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | " | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 82 | 4101 | NOT MARKED | 5,000 | 4-22-25 | 917 | 5-22-25 | 372 | | | | | |
| 53 | 4102 | CV 2319 | 700 | | 928 | | 144 | | | | | |
| 53 | 4103 | H18041A | 750 | | 920 | | 126 | | | | | |
| 81 | 4104 | H19550 | 1,200 | | 918 | | 250 | | | | | |
| 171 | 482 | DL-52 | 2,546 | | 928 | | 121 | | | | | |
| 170 | 483 | CV 2362 | 2,980 | | 929 | | 216 | | | | | |
| 169 | 485 | DL-56 | 8,900 | | 932 | | 461 | | | | | |
| 167 | 486 | LB-70 | 3,500 | | 934 | | 396 | | | | | |
| 166 | 488 | DL-85 | 598 | | 927 | | 136 | | | | | |
| 159 | 489 | CHW-V74R | 560 | | 926 | | 251 | | | | | |
| 180 | 441 | No ID | 771 | | 951 | | 306 | | | | | |
| 173 | 442 | Surface | 4,023 | | 940 | | 486 | | | | | |
| 173 | 443 | No ID | 560 | | 940 | | 156 | | | | | |
| 177 | 444 | Surface | 823 | | 945 | | 207 | | | | | |
| 165 | 421 | CV24087 | 569 | ↓ | 1006 | ↓ | 138 | | | | | |
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RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 40 SERIAL #: 768073384

MONITORING DATE: 5-22-25 TIME: 0736

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 498 ppm
3. Adjust meter settings to read 500 ppm

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.8 ppm | 3.1 ppm | 3.0 ppm |

Background Value = 3.0 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 497 ppm | 450 ppm | 6 |
| #2 | 497 ppm | 450 ppm | 4 |
| #3 | 498 ppm | 450 ppm | 4 |
| Calculate Response Time (1+2+3) / 3 | | | 4.7 #DIV/0! Must be less than 30 seconds |

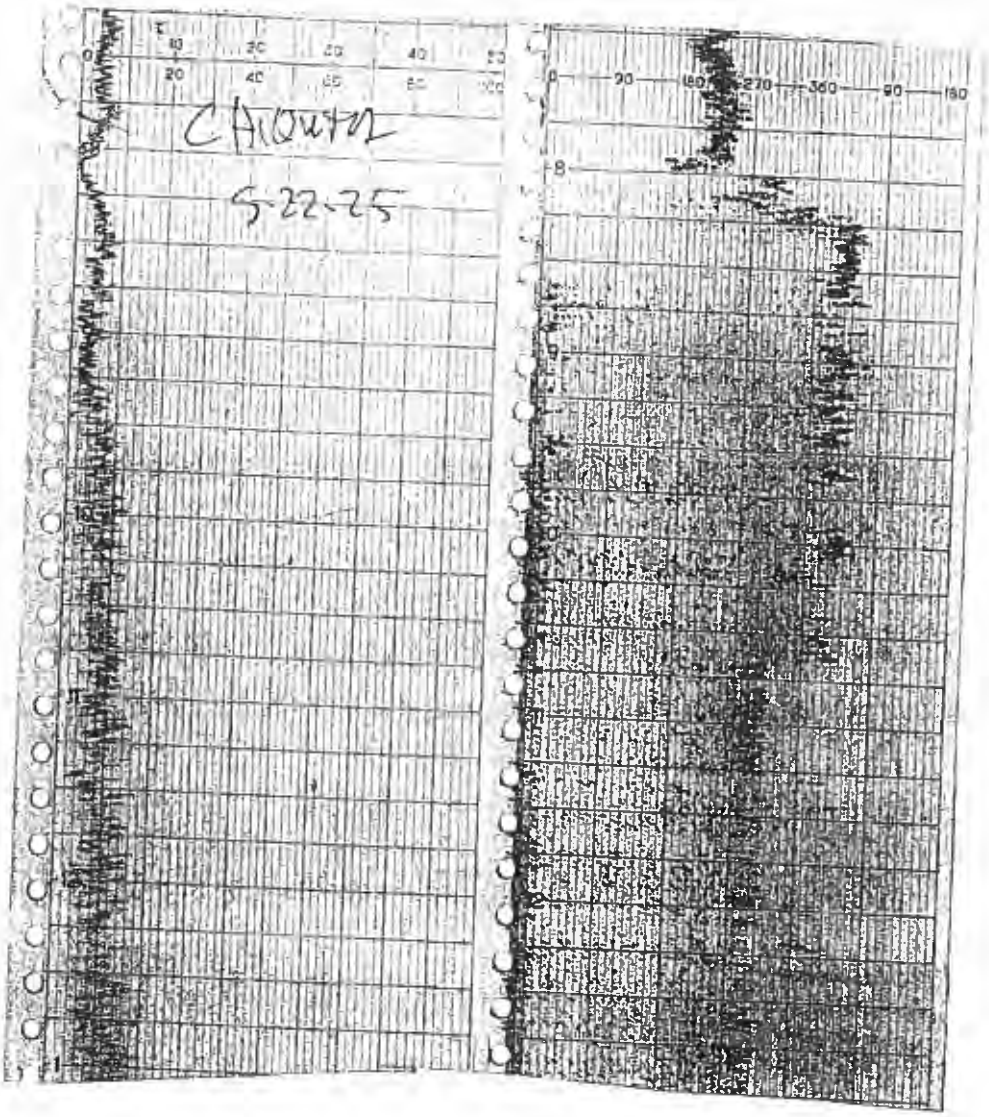
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.3 ppm | 497 ppm | 3 |
| #2 | 1.3 ppm | 497 ppm | 3 |
| #3 | 1.2 ppm | 498 ppm | 2 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.5% #DIV/0! Must be less than 10% |

Performed By: F. Moreau Date/Time 5-22-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



# Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | 2nd QTR / 2025 | | | | | | | | |
| Technician: | Stephen Borchers | | Albino Lopez | | | | | | | | |
| Instrument: | TVA 1000 | | TVA 1000 | | | | | | | | |
| Calibration Standard: | 25 ppm | | 25 PPM | | | | | | | | |
| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | | |
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | |
| 79 | 60.32 | 5-15-25 | | 5-22-25 | 18.3 | | | | | | |
| 79 | 28.40 | ↓ | | ↓ | 23.2 | | | | | | |
| 125 | 44.85 | | | | 12.6 | | | | | | |
| 208 | 32.33 | ↓ | | ↓ | 24.6 | | | | | | |

RMS Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 59 SERIAL #: 768083 84

MONITORING DATE: 5-22-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.7 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.8 ppm | 3.1 ppm | 3.0 ppm |

Background Value = 3.0 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.4 ppm | 22.5 ppm | 5 |
| #2 | 24.7 ppm | 22.5 ppm | 7 |
| #3 | 24.7 ppm | 22.5 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 6.3 #DIV/0! Must be less than 30 seconds |

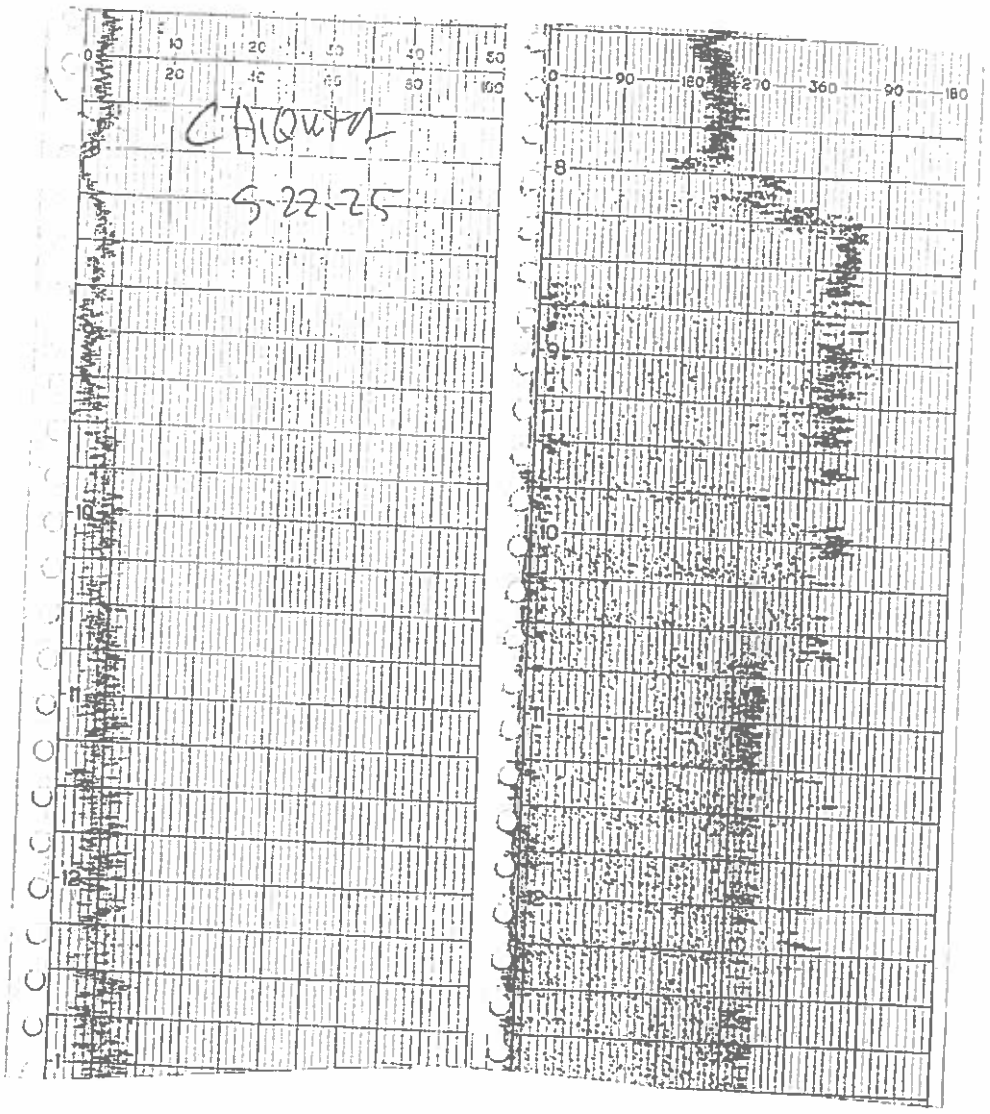
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.4 ppm | 24.4 ppm | 0.6 |
| #2 | 0.7 ppm | 24.7 ppm | 0.3 |
| #3 | 0.7 ppm | 24.7 ppm | 0.3 |
| Calculate Precision | [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | 1.8% #DIV/0! Must be less than 10% |

Performed By: A. Lopez Date/Time: 5-22-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita LandFill



| | | |
|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 |
| Technician: | Stephen Barbaris | Alberto Lopez |
| Instrument: | TVA 1000 | TVA 1000 |
| Calibration Standard: | 25 | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 155 | 27.59 | 5-14-25 | | 5-22-25 | 24.5 | | | | | |
| 163 | 75.19 | ↓ | | ↓ | 19.6 | | | | | |
| 81 | 26.73 | | | | 24.3 | | | | | |
| 82 | 139 | | | | 22.8 | | | | | |
| 149 | 71.26 | | | | 20.4 | | | | | |
| 159 | 34.81 | ↓ | | ↓ | 24.4 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 59 SERIAL #: 746808384

MONITORING DATE: 5-22-25 TIME: 0730

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.7 ppm
3. Adjust meter settings to read 25 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.8 ppm | 3.1 ppm | 3.0 ppm |

Background Value = 3.0 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.4 ppm | 22.5 ppm | 5 |
| #2 | 24.7 ppm | 22.5 ppm | 7 |
| #3 | 24.7 ppm | 22.5 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 6.3 #DIV/0! Must be less than 30 seconds |

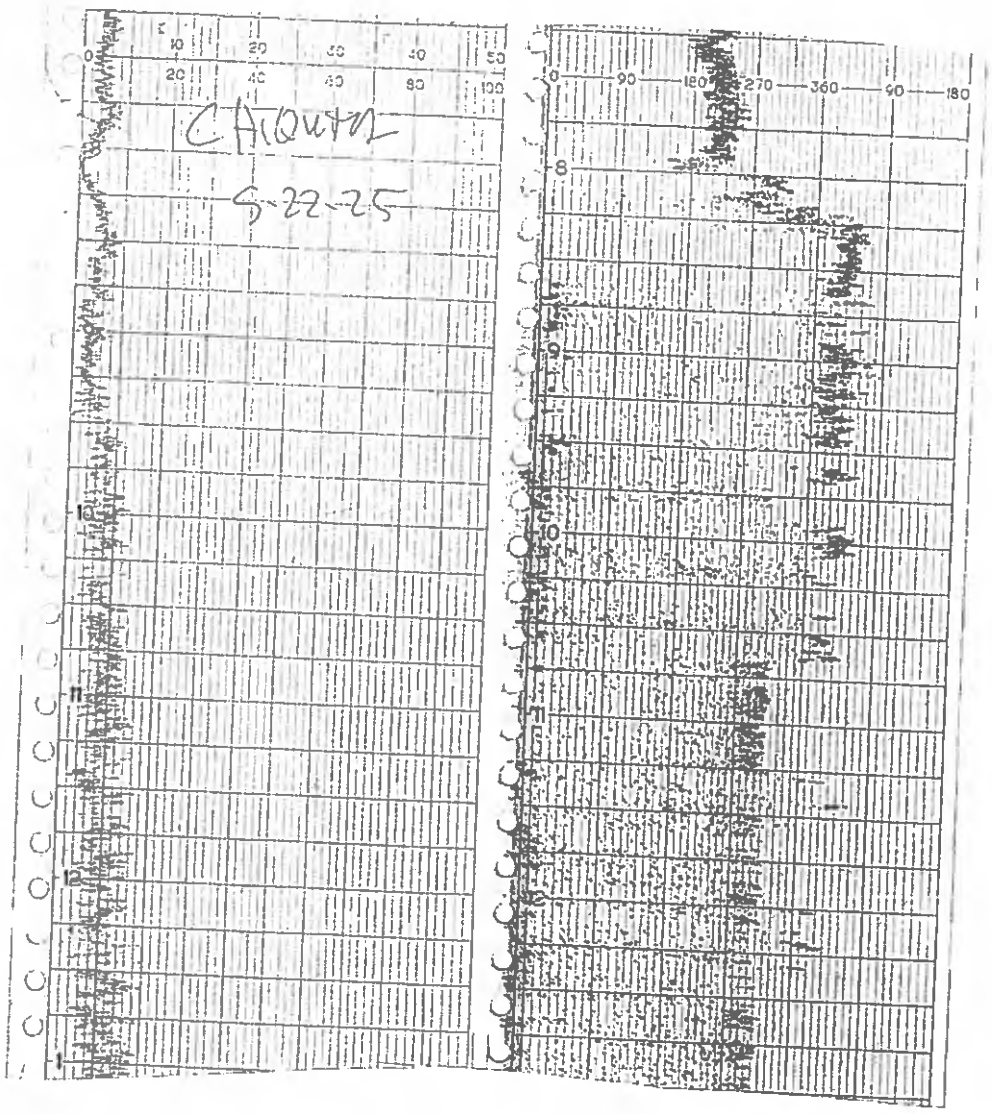
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.4 ppm | 24.4 ppm | 0.6 |
| #2 | 0.7 ppm | 24.7 ppm | 0.3 |
| #3 | 0.7 ppm | 24.7 ppm | 0.3 |
| Calculate Precision | [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | 1.8% #DIV/0! Must be less than 10% |

Performed By: A. Lopez Date/Time: 5-22-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: CHIQUITA LANDFILL



| Quarter / Year: | 2ND QTR 2025 | 2nd QTR / 2025 | |
|---|---|---|---|
| Technician: | STERLING BOWLES | Frank Morcom | |
| Instrument: | TLA 1000 | TVA 1000 | |
| Calibration Standard: | 500PPM | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 96 | Y61 | CV 24115 | 1200 | 4-24-25 | 847 | 5-22-25 | 439 | | | | | |
| 99 | Y62 | SURFACE | 4600 | | 846 | | 438 | | | | | |
| 216 | Y63 | CASING WELL | 560 | | 845 | | 392 | | | | | |
| 208 | Y41 | SURFACE | 3400 | | 837 | | 139 | | | | | |
| 210 | Y42 | SURFACE/PIPE | 6400 | | 832 | | 234 | | | | | |
| 211 | Y44 | SURFACE/PIPE | 1500 | | 830 | | 94 | | | | | |
| 128 | Y1 | VOID | 500 | | 824 | | 126 | | | | | |
| 150 | Y2 | SURFACE | 6000 | | 823 | | 46 | | | | | |
| 145 | Y5 | VOID | 1360 | | 819 | | 126 | | | | | |
| 145 | Y6 | VOID | 960 | | 817 | | 256 | | | | | |
| 145 | Y7 | SURFACE | 3960 | | 816 | | 390 | | | | | |
| 145 | Y8 | WELL PI | 4923 | | 815 | | 472 | | | | | |
| 77 | Y9 | SURFACE | 2952 | | 814 | | 112 | | | | | |
| 77 | Y10 | SURFACE | 6345 | | 812 | | 231 | | | | | |
| 77 | Y11 | SURFACE | 1366 | | 811 | | 213 | | | | | |
| 27 | Y13 | SURFACE | 740 | | 808 | | 131 | | | | | |
| 78 | Y14 | SURFACE | 500 | | 800 | | 127 | | | | | |
| 78 | Y15 | WELLCAP | 560 | | 759 | | 248 | | | | | |
| 77 | Y16 | SURFACE | 500 | | 806 | | 54 | | | | | |
| 150 | Y3 | SURFACE | 900 | | 822 | | 49 | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

**Site:** Chiquita Landfill



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Quarter / Year:** | 2nd 2025 | | | | 2nd QTR 2025 | | | | | | | | |
| **Technician:** | Stephen Borchers | | | | | | | | | | | | |
| **Instrument:** | TVA1000 | | | | TVA 1000 | | | | | | | | |
| **Calibration Standard:** | 500ppm | | | | 500 ppm | | | | | | | | |
| **Initial Monitoring Event** | | | | | **30 Day Re-Monitoring Event** | | | | **First Re-Monitoring Event – 10 Days** | | | | |
| **Grid Number** | **Flag Number** | **Location** | **Field Reading (ppm)** | **Date Monitored** | **Remedial Work** | **Date Monitored** | **No Excd. <500 ppm** | **Excd. >500 ppm** | **Remedial Work** | **Date Monitored** | **No Excd. <500 ppm** | **Excd. >500 ppm** |
| 82 | 4101 | NOT MARKED | 5,000 | 4-22-25 | 917 | 5-22-25 | 376 | | | | | |
| 53 | 4102 | CV2319 | 700 | | 920 | | 144 | | | | | |
| 53 | 4103 | H18c1A | 750 | | 920 | | 126 | | | | | |
| 81 | 4104 | H19.5SD | 1,200 | | 918 | | 250 | | | | | |
| 171 | 482 | DL-52 | 2,546 | | 928 | | 121 | | | | | |
| 170 | 483 | CV2362 | 2,980 | | 929 | | 216 | | | | | |
| 169 | 485 | DL-56 | 8,900 | | 932 | | 461 | | | | | |
| 167 | 486 | LB-70 | 3,500 | | 934 | | 396 | | | | | |
| 166 | 488 | DL-85 | 598 | | 927 | | 136 | | | | | |
| 159 | 489 | CHW-748 | 560 | | 926 | | 251 | | | | | |
| 180 | 441 | No ID | 771 | | 951 | | 306 | | | | | |
| 173 | 442 | Surface | 4,025 | | 940 | | 486 | | | | | |
| 173 | 443 | No ID | 500 | | 940 | | 156 | | | | | |
| 177 | 444 | Surface | 823 | | 945 | | 207 | | | | | |
| 165 | 421 | CV24087 | 569 | ↓ | 1006 | ↓ | 138 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 40 SERIAL #: 768073384

MONITORING DATE: 5-22-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 498 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 2.8 ppm | 3.1 ppm | 3.0 ppm |

Background Value = 3.0 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 497 ppm | 450 ppm | 6 |
| #2 | 497 ppm | 460 ppm | 4 |
| #3 | 498 ppm | 450 ppm | 4 |
| Calculate Response Time (1+2+3) / 3 | | | 4.7 #DIV/0! Must be less than 30 seconds |

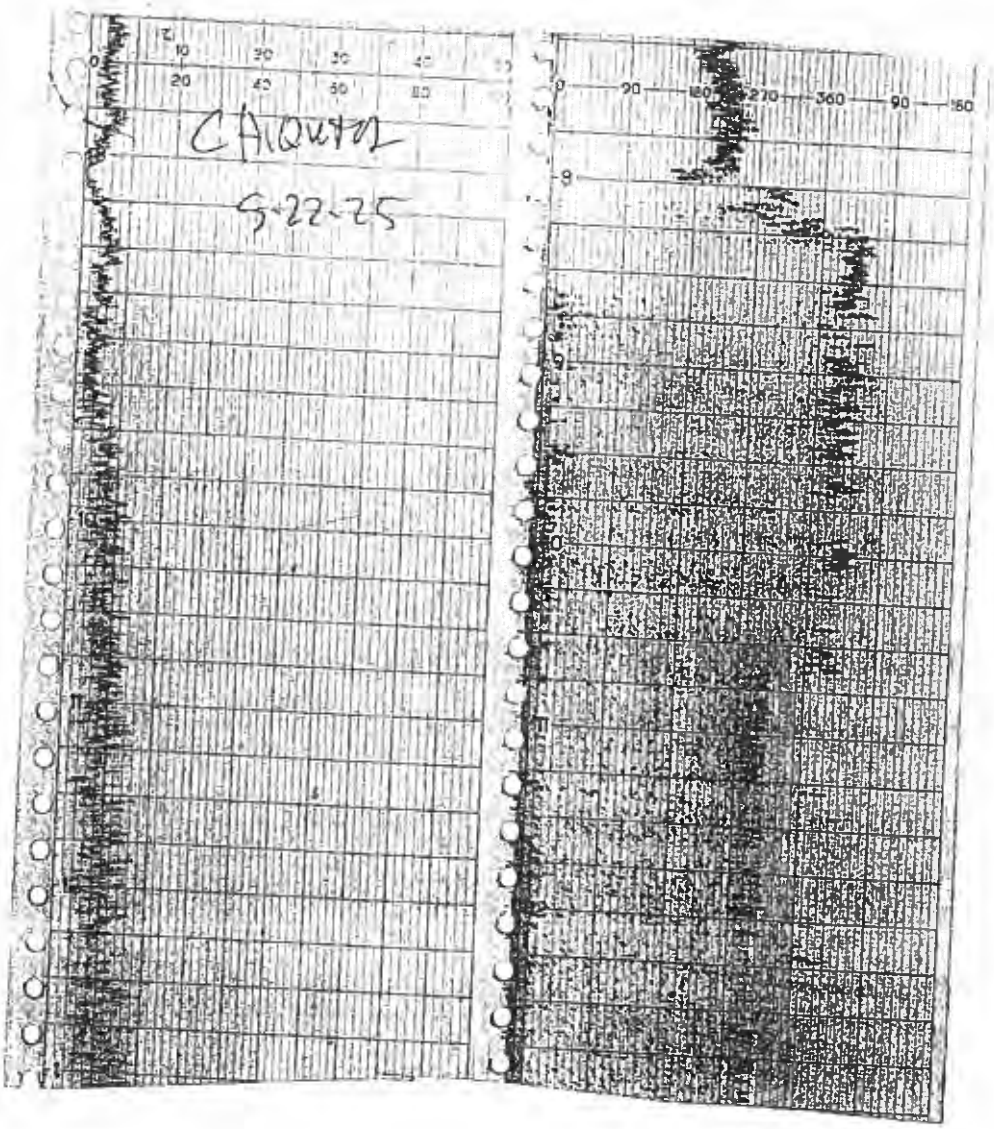
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.3 ppm | 497 ppm | 3 |
| #2 | 1.3 ppm | 497 ppm | 3 |
| #3 | 1.2 ppm | 498 ppm | 2 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.5% #DIV/0! Must be less than 10% |

Performed By: F. Moreau Date/Time: 5-22-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site. Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Burches |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 178 | Y121 | well CV24027 | 6000 | 5-27-25 | | | | | | | | |
| 178 | Y122 | well CV24020 | 2500 | | | | | | | | | |
| 184 | Y123 | well CV2311 | 1200 | | | | | | | | | |
| 194 | Y81 | well CV24116 | 745 | | | | | | | | | |
| 99 | Y82 | Surface | 945 | | | | | | | | | |
| 197 | Y83 | well CV24198 | 1210 | | | | | | | | | |
| 149 | Y43 | well CV24153 | 800 | | | | | | | | | |
| 81 | Y44 | well CV1428 | 735 | | | | | | | | | |
| 82 | Y45 | well 24150 | 576 | | | | | | | | | |
| 196 | Y58 | well CV24193 | 560 | | | | | | | | | |
| 80 | Y61 | well 41 | 725 | | | | | | | | | |
| 80 | Y62 | VALVE 2452 | 10690 | | | | | | | | | |
| 79 | Y63 | well CV24147 | 2400 | | | | | | | | | |
| 79 | Y64 | well CV 48R | 855 | | | | | | | | | |
| 78 | Y65 | well 24122 | 2100 | | | | | | | | | |
| 77 | Y66 | well CCNSMP01 | 1150 | | | | | | | | | |
| 77 | Y67 | Steel Pipe | 10137 | | | | | | | | | |
| 77 | Y68 | well CCNSMP07 | 10179 | | | | | | | | | |
| 145 | Y69 | Steel Pipe | 30333 | | | | | | | | | |
| 145 | Y70 | well CHEEP006 | 1150 | | | | | | | | | |
| 145 | Y71 | well CV24035 | 926 | | | | | | | | | |
| 145 | Y72 | well CV24031 | 1635 | | | | | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 500 |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 145 | 473 | well CV2404 | 2,873 | 5-27-25 | | | | | | | | |
| 150 | 474 | well 2415 | 1,825 | | | | | | | | | |
| 150 | 475 | well CV24028 | 1,016 | | | | | | | | | |
| 150 | 476 | well CV 24022 | 3,184 | | | | | | | | | |
| 150 | 477 | well CV2406 | 50,650 | | | | | | | | | |
| 150 | 478 | well RAMP01 | 5,600 | | | | | | | | | |
| 151 | 479 | well CV2441 | 50,000 | | | | | | | | | |
| 151 | 480 | well CV2434 | 1,192 | | | | | | | | | |
| 76 | 4101 | well CV1423 | 6,881 | | | | | | | | | |
| 76 | 4102 | well CV1423 | 2,661 | | | | | | | | | |
| 152 | 4103 | well CV025 | 1,850 | | | | | | | | | |
| 157 | 4104 | well CV24046 | 6,250 | | | | | | | | | |
| 157 | 4105 | well CV24038 | 50,142 | | | | | | | | | |
| 172 | 4106 | well RAMSP04 | 2,065 | ↓ | | | | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | Page 1 of 1 Pages |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | |
| Technician: | Stephen Borchardt | | |
| Instrument: | TVA 1000 | | |
| Calibration Standard: | 500 ppm | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 194 | B81 | Surface | 365 | 5-27-25 | | | | | |
| 159 | B41 | Well CV2415G | 300 | ↓ | | | | | |
| 165 | B50 | Well CV2408 | 250 | | | | | | |
| 78 | B61 | Surface / Pipe | 245 | | | | | | |
| 66 | B62 | Well 2316A | 446 | | | | | | |

5-27-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43395098 | -118.64779 | 2025-05-27T15:17:39Z | B41 | 300ppmWEllCV24156 |
| 2 | 34.43311698 | -118.64797 | 2025-05-27T16:19:20Z | B50 | 250PPMWEllCV2408 |
| 3 | 34.43740801 | -118.646475 | 2025-05-27T16:04:48Z | B61 | 265Ppmgrd78surface/pipe |
| 4 | 34.43603497 | -118.646372 | 2025-05-27T18:30:52Z | B62 | 446Ppmgrd66well2316a |
| 5 | 34.43102402 | -118.645816 | 2025-05-27T18:06:31Z | B81 | Surface 365 PPM |
| 6 | 34.43636597 | -118.646488 | 2025-05-27T18:19:33Z | Y101 | 6881Ppmgrd76wellcv24134 |
| 7 | 34.43625198 | -118.646513 | 2025-05-27T18:22:02Z | Y102 | 2661Ppmgrd76wellcv1423 |
| 8 | 34.43537297 | -118.647733 | 2025-05-27T18:43:26Z | Y103 | 1850Ppmgrd152wellp025 |
| 9 | 34.43520793 | -118.6478192 | 2025-05-27T15:19:52Z | Y104 | 6250PPMWELLCV24046 |
| 10 | 34.4352915 | -118.6481687 | 2025-05-27T15:28:32Z | Y105 | 50142PPMWEllCV24038 |
| 11 | 34.43477098 | -118.648453 | 2025-05-27T18:56:23Z | Y106 | 2065Ppmgrd157wellramsp04 |
| 12 | 34.43611602 | -118.648689 | 2025-05-27T15:31:21Z | Y21 | 6000Ppm grid 178-well cv24027 |
| 13 | 34.436012 | -118.649319 | 2025-05-27T15:41:31Z | Y22 | 2500Ppm grid 178-well cv24020 |
| 14 | 34.43631803 | -118.64988 | 2025-05-27T15:58:32Z | Y23 | 1200Ppm grid 184-well cv2311 |
| 15 | 34.43457702 | -118.646479 | 2025-05-27T15:34:56Z | Y43 | Y43PPM800WEllCV24153 |
| 16 | 34.43500198 | -118.645973 | 2025-05-27T15:41:52Z | Y44 | Y44PPM735WEllCV1426 |
| 17 | 34.43466797 | -118.645799 | 2025-05-27T15:46:38Z | Y45 | Y45PPM576WEll24150 |
| 18 | 34.43180798 | -118.648755 | 2025-05-27T18:18:36Z | Y57 | Y57PPM1375WEll29103 |
| 19 | 34.43183203 | -118.647851 | 2025-05-27T18:25:25Z | Y58 | Y58PPM560WEllCV24195 |
| 20 | 34.43773096 | -118.644177 | 2025-05-27T15:46:12Z | Y61 | 725Ppmgrd80wellh1 |
| 21 | 34.43764899 | -118.644281 | 2025-05-27T15:50:13Z | Y62 | 10690Ppmgrd80valvezp525 |
| 22 | 34.43754396 | -118.645939 | 2025-05-27T15:54:55Z | Y63 | 2400Ppmgrd79wellcv2400 |
| 23 | 34.437378 | -118.645811 | 2025-05-27T15:59:37Z | Y64 | 844Ppmgrd79welcv48r |
| 24 | 34.437162 | -118.646577 | 2025-05-27T16:09:35Z | Y65 | 2100Ppmgrd78wellcv24122 |
| 25 | 34.43719796 | -118.646977 | 2025-05-27T16:20:47Z | Y66 | 1150Ppmgrd77wellccnsmp01 |
| 26 | 34.43689202 | -118.647594 | 2025-05-27T17:04:31Z | Y67 | 10137Ppmgrd77steelpipe |
| 27 | 34.43691004 | -118.647648 | 2025-05-27T17:07:46Z | Y68 | 10179Ppmgrd77wellccnsmp02 |
| 28 | 34.43682496 | -118.647776 | 2025-05-27T17:10:58Z | Y69 | 30333Ppmgrd145steelpipe |
| 29 | 34.43636497 | -118.647654 | 2025-05-27T17:16:57Z | Y70 | 1150Ppmgrd145wellchifp006 |
| 30 | 34.43642498 | -118.647719 | 2025-05-27T17:19:13Z | Y71 | 926Ppmgrd145wellcv24035 |
| 31 | 34.43663101 | -118.647886 | 2025-05-27T17:22:46Z | Y72 | 1635Ppmgrd145wellccv24030 |
| 32 | 34.43675296 | -118.648159 | 2025-05-27T17:26:19Z | Y73 | 2873Ppmgrd145wellcv2424 |
| 33 | 34.43687601 | -118.648601 | 2025-05-27T17:29:47Z | Y74 | 1828Ppmgrd150well2415 |
| 34 | 34.43632498 | -118.648439 | 2025-05-27T17:35:38Z | Y75 | 1016Ppmgrd150wellcv24028 |
| 35 | 34.43651902 | -118.648746 | 2025-05-27T17:38:28Z | Y76 | 3184Ppmgrd150wellcv24022 |
| 36 | 34.43606196 | -118.648366 | 2025-05-27T17:50:12Z | Y77 | 50650Ppmgrd150nxttowellcv2206 |
| 37 | 34.436041 | -118.648271 | 2025-05-27T17:53:52Z | Y78 | 5600Ppmgrd150wellrasmp01 |
| 38 | 34.43560297 | -118.648309 | 2025-05-27T17:57:21Z | Y79 | 50000Ppmgrd151wellcv24040 |
| 39 | 34.43588804 | -118.648027 | 2025-05-27T18:01:42Z | Y80 | 1192Ppmgrd151wellcv2441 |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Beaulieu |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd >500 ppm |
| 156 | Y41 | CV2201 | 20,562 | 5-28-25 | | | | | | | | |
| 156 | Y42 | RAMSP02 | 30,996 | | | | | | | | | |
| 156 | Y43 | CV24039 | 60,410 | | | | | | | | | |
| 177 | Y44 | Blowpipe/cap | 5,610 | | | | | | | | | |
| 176 | Y45 | CHEFP03 | 10,460 | | | | | | | | | |
| 174 | Y46 | CV23424 | 1,017 | | | | | | | | | |
| 163 | Y47 | Blowpipe | 1,350 | | | | | | | | | |
| 196 | Y48 | CV24197 | 2,128 | | | | | | | | | |
| 214 | Y49 | H2163W | 2,050 | | | | | | | | | |
| 214 | Y50 | H2161W | 1,048 | | | | | | | | | |
| 215 | Y51 | H102A | 2,650 | | | | | | | | | |
| 215 | Y52 | Blowpipe unmarked | 2,972 | | | | | | | | | |
| 215 | Y53 | H103A | 2,335 | | | | | | | | | |
| 36 | Y21 | CV24110 | 638 | | | | | | | | | |
| 37 | Y22 | H2169E | 697 | | | | | | | | | |
| 42 | Y23 | CV17015 | 793 | | | | | | | | | |
| 73 | Y01 | CV24132 | 6,000 | | | | | | | | | |
| 59 | Y02 | CV24114 | 3,800 | | | | | | | | | |
| 54 | Y03 | H2166C | 2,800 | | | | | | | | | |
| 66 | Y04 | CV24112 | 620 | | | | | | | | | |
| 57 | Y05 | CV24213 | 2,400 | | | | | | | | | |
| 63 | Y06 | CV535 | 7,000 | ✓ | | | | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician | Stephen Burchett |
| Instrument | TVA 1000 |
| Calibration Standard: | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd <500 ppm | Excd. >500 ppm |
| 58 | Y81 | Surface | 500 | 5-28-25 | | | | | | | | |
| 65 | Y82 | Surface | 505 | | | | | | | | | |
| 64 | Y83 | Well H29 | 580 | | | | | | | | | |
| 44 | Y84 | Surface | 800 | | | | | | | | | |
| 45 | Y85 | Surface | 806 | | | | | | | | | |
| 46 | Y86 | P52-800 | 960 | | | | | | | | | |
| 47 | Y88 | Well 24119 | 582 | | | | | | | | | |
| 52 | Y89 | Well TD17 | 902 | | | | | | | | | |
| 43 | Y90 | CV24212 | 508 | | | | | | | | | |
| 51 | Y91 | Surface | 935 | | | | | | | | | |
| 92 | Y92 | CV009 | 985 | | | | | | | | | |
| 87 | Y94 | Surface | 500 | | | | | | | | | |
| 94 | Y96 | Surface | 560 | | | | | | | | | |
| 97 | Y97 | HDPESPR902 | 500 | | | | | | | | | |
| 95 | Y98 | Well D6 | 530 | | | | | | | | | |
| 215 | Y62 | Surface | 3845 | | | | | | | | | |
| 227 | Y63 | Surface | 1475 | | | | | | | | | |
| 227 | Y64 | Surface | 1952 | | | | | | | | | |
| 227 | Y65 | Well N6d | 5264 | | | | | | | | | |
| 228 | Y66 | CVCV2510 | 1826 | | | | | | | | | |
| 231 | Y68 | Surface | 600 | | | | | | | | | |
| 231 | Y69 | BHGB1 | 793 | | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR 2025 |
| Technician: | Stephen Barbieri |
| Instrument: | FVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 232 | Y70 | CH1L303N | 5213 | 5-28-25 | | | | | | | | |
| 232 | Y71 | 1H7306N | 500 | 〃 | | | | | | | | |

5-28-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43426698 | -118.644858 | 2025-05-28T16:10:43Z | B21 | Ppm264grid33wellcv1907 |
| 2 | 34.43361897 | -118.643325 | 2025-05-28T17:33:58Z | B22 | Ppm316grid42wellcv1701d |
| 3 | 34.43500601 | -118.643296 | 2025-05-28T17:55:33Z | B23 | Ppm386grid40wellcv2012 |
| 4 | 34.42971501 | -118.651048 | 2025-05-28T15:33:33Z | B61 | 200Ppmgrd227surface |
| 5 | 34.42909702 | -118.649073 | 2025-05-28T16:37:29Z | B67 | 200Ppgrd229wellnoid |
| 6 | 34.42930497 | -118.648685 | 2025-05-28T16:47:23Z | B69 | 300Ppmgrd231sruface |
| 7 | 34.43723501 | -118.644028 | 2025-05-28T15:50:13Z | Y01 | 6000Ppm grid 73-well cv24132 |
| 8 | 34.43533902 | -118.644927 | 2025-05-28T17:00:17Z | Y02 | 3800Ppm grid 59-well cv24111 |
| 9 | 34.435609 | -118.64485 | 2025-05-28T17:06:09Z | Y03 | 2800Ppm grid 54well h2166c |
| 10 | 34.43522897 | -118.644141 | 2025-05-28T17:21:05Z | Y04 | 62CPpm grid 60-well cv24112 |
| 11 | 34.43659304 | -118.642912 | 2025-05-28T18:06:16Z | Y05 | 2400Ppm grid 57-well cv 24213 |
| 12 | 34.43551697 | -118.642328 | 2025-05-28T18:30:35Z | Y06 | 7000Ppm grid 63-well cv53s |
| 13 | 34.43461499 | -118.644613 | 2025-05-28T15:36:09Z | Y21 | Ppm638grid36wellcv24110 |
| 14 | 34.43420696 | -118.644184 | 2025-05-28T15:49:25Z | Y22 | Ppm697grid37h2169ewell |
| 15 | 34.43361302 | -118.643322 | 2025-05-28T17:35:16Z | Y23 | Ppm793grid42wellc1701s |
| 16 | 34.43559098 | -118.648828 | 2025-05-28T15:36:59Z | Y41 | 20562Ppmgrd156welcv2201 |
| 17 | 34.43552602 | -118.648851 | 2025-05-28T15:39:10Z | Y42 | 30999Ppmgrd156wellramsp02 |
| 18 | 34.43530801 | -118.648658 | 2025-05-28T15:42:25Z | Y43 | 60410Ppmgrd156wellcv24039 |
| 19 | 34.43501699 | -118.649299 | 2025-05-28T15:54:38Z | Y44 | 5610Ppmgrd177blackpipewcap |
| 20 | 34.43487307 | -118.6502028 | 2025-05-28T12:07:12Z | Y45 | 10460PPMWELLCHIFPO31 |
| 21 | 34.4342 | -118.650824 | 2025-05-28T16:20:06Z | Y46 | 1017Ppmgrd174wellcv2342a |
| 22 | 34.432891 | -118.648067 | 2025-05-28T16:48:43Z | Y47 | 1350Ppmgrd163blackpipe |
| 23 | 34.43154001 | -118.649059 | 2025-05-28T17:08:53Z | Y48 | 2128Ppmgrd199wellcv24193 |
| 24 | 34.43117397 | -118.649822 | 2025-05-28T17:37:26Z | Y49 | 2050Ppmgrd214wellh2163w |
| 25 | 34.43092 | -118.650174 | 2025-05-28T17:43:40Z | Y50 | 1048Ppmgrd214wellh2161w |
| 26 | 34.43111303 | -118.650561 | 2025-05-28T17:50:42Z | Y51 | 2650Ppmgrd215wellh102a |
| 27 | 34.43112804 | -118.650599 | 2025-05-28T17:51:29Z | Y52 | 2972Ppmgrd215blackpipeunmarked |
| 28 | 34.43120901 | -118.650631 | 2025-05-28T17:54:29Z | Y53 | 2335Ppmgrd215wellh103a |
| 29 | 34.42967302 | -118.651054 | 2025-05-28T15:37:09Z | Y62 | 3845ppmgrd227surfcace |
| 30 | 34.42963203 | -118.651107 | 2025-05-28T15:41:24Z | Y63 | 1475Ppmgrd227surface |
| 31 | 34.42961703 | -118.651106 | 2025-05-28T15:43:03Z | Y64 | 1952Ppmgrd227surface |
| 32 | 34.42948996 | -118.650928 | 2025-05-28T15:45:40Z | Y65 | 5264Ppmgrd227wellNoId |
| 33 | 34.42908503 | -118.64981 | 2025-05-28T16:28:07Z | Y66 | 1820Ppmgrd228wellCvcv2510 |
| 34 | 34.42931796 | -118.648586 | 2025-05-28T16:51:39Z | Y68 | 600Ppmgrd231surface |
| 35 | 34.42928301 | -118.648463 | 2025-05-28T16:56:04Z | Y69 | 7593Ppmgrd231wellBh-GB-1 |
| 36 | 34.42905301 | -118.64841 | 2025-05-28T17:11:48Z | Y70 | 5213Ppmgrd232wellchh2303n |
| 37 | 34.42945099 | -118.647588 | 2025-05-28T17:22:27Z | Y71 | 500Ppmgrd232wellH-2306n |
| 38 | 34.43655498 | -118.642308 | 2025-05-28T15:41:22Z | Y81 | Y81PPM500SURF58 |
| 39 | 34.43634636 | -118.6413174 | 2025-05-28T12:08:23Z | Y82 | 505PPM SURFACE |
| 40 | 34.43543097 | -118.641793 | 2025-05-28T16:00:30Z | Y83 | Y83PM580WEIIH29 |
| 41 | 34.43462203 | -118.642268 | 2025-05-28T16:14:38Z | Y84 | Y84PPM800SURF44 |
| 42 | 34.43462874 | -118.6414378 | 2025-05-28T12:08:57Z | Y85 | 806PPM SURFACE |

| | | | | | |
|---|---|---|---|---|---|
| 43 | 34.43402097 | -118.642095 | 2025-05-28T16:24:32Z | Y86 | Y86PPM900WEIIPS21800 |
| 44 | 34.43372299 | -118.64229 | 2025-05-28T16:31:06Z | Y88 | Y88PPM582WEII24119 |
| 45 | 34.432862 | -118.64212 | 2025-05-28T17:59:19Z | Y89 | Y89PPM902WEIITD17 |
| 46 | 34.43322301 | -118.643058 | 2025-05-28T18:16:47Z | Y90 | Y90PPM507CV24212 |
| 47 | 34.43268204 | -118.642397 | 2025-05-28T18:04:50Z | Y91 | Y91PPM935SURF51 |
| 48 | 34.43190202 | -118.644207 | 2025-05-28T18:29:46Z | Y92 | PPM885WEIICV009 |
| 49 | 34.43135099 | -118.64548 | 2025-05-28T18:42:33Z | Y94 | Y94PPM500SURP87 |
| 50 | 34.43100197 | -118.645172 | 2025-05-28T18:52:38Z | Y96 | Y96PPM560SURF94 |
| 51 | 34.43041901 | -118.646308 | 2025-05-28T19:01:10Z | Y97 | Y97PPM500WEIIHDPESPR902 |
| 52 | 34.4300725 | -118.6453023 | 2025-05-28T12:09:32Z | Y98 | 530PPM WELLD6 |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | Page / of / Pages |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | |
| Technician: | Stephen Barnes | | |
| Instrument: | TVA1000 | | |
| Calibration Standard: | 500 ppm | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 227 | B61 | surface | 200 | 5-28-25 | | | | | |
| 229 | B67 | well NOID | 200 | ↓ | | | | | |
| 223 | B69 | surface | 231 | | | | | | |
| 33 | B21 | CV-1907 | 264 | | | | | | |
| 40 | B23 | CV 2012 | 386 | | | | | | |
| 42 | B22 | CV 17010 | 216 | ↓ | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site Chiquita landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician | Stephen Borchers |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd >500 ppm |
| 156 | Y41 | CV2201 | 20,562 | 5-28-25 | | | | | | | | |
| 156 | Y42 | RansPO2 | 30,996 | | | | | | | | | |
| 156 | Y43 | CV24039 | 60,410 | | | | | | | | | |
| 177 | Y44 | Blowpipe/cap | 5,610 | | | | | | | | | |
| 176 | Y45 | CHEFP031 | 10,460 | | | | | | | | | |
| 174 | Y46 | CV23424 | 1,017 | | | | | | | | | |
| 163 | Y47 | Blow pipe | 1,350 | | | | | | | | | |
| 196 | Y48 | CV24197 | 2,128 | | | | | | | | | |
| 214 | Y49 | H2163W | 2,050 | | | | | | | | | |
| 214 | Y50 | H2161W | 1,048 | | | | | | | | | |
| 215 | Y51 | H102A | 2,650 | | | | | | | | | |
| 215 | Y52 | Blowpipe unmarked | 2,972 | | | | | | | | | |
| 215 | Y53 | H103A | 2,335 | | | | | | | | | |
| 36 | Y21 | CV24110 | 638 | | | | | | | | | |
| 37 | Y22 | H2169E | 697 | | | | | | | | | |
| 42 | Y23 | CV17015 | 793 | | | | | | | | | |
| 23 | Y01 | CV24132 | 6,000 | | | | | | | | | |
| 59 | Y02 | CV24111 | 3,800 | | | | | | | | | |
| 54 | Y03 | H2166C | 2,800 | | | | | | | | | |
| 60 | Y04 | CV24112 | 620 | | | | | | | | | |
| 57 | Y05 | CV24213 | 2,400 | | | | | | | | | |
| 63 | Y06 | CV535 | 7,000 | | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Bunch-ox |
| Instrument | TVA1000 |
| Calibration Standard: | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 58 | Y81 | surface | 500 | 5-28-25 | | | | | | | | |
| 65 | Y82 | surface | 505 | | | | | | | | | |
| 64 | Y83 | well H29 | 590 | | | | | | | | | |
| 44 | Y84 | surface | 800 | | | | | | | | | |
| 45 | Y85 | surface | 806 | | | | | | | | | |
| 46 | Y86 | P52-500 | 960 | | | | | | | | | |
| 47 | Y88 | well 24119 | 582 | | | | | | | | | |
| 52 | Y89 | well TD17 | 902 | | | | | | | | | |
| 43 | Y90 | CV24212 | 508 | | | | | | | | | |
| 51 | Y91 | surface | 935 | | | | | | | | | |
| 92 | Y92 | CV009 | 985 | | | | | | | | | |
| 97 | Y94 | surface | 500 | | | | | | | | | |
| 94 | Y96 | surface | 560 | | | | | | | | | |
| 97 | Y97 | HOPESPR402 | 500 | | | | | | | | | |
| 95 | Y98 | well D6 | 530 | | | | | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | Page / of / Pages |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | |
| Technician: | Stephen Borchers | | |
| Instrument: | TVA 1000 | | |
| Calibration Standard: | 500 ppm | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 227 | B61 | surface | 200 | 5-28-25 | | | | | |
| 229 | B67 | well void | 200 | ↓ | | | | | |
| 223 | B69 | surface | 231 | | | | | | |
| 33 | B21 | CV-1907 | 264 | | | | | | |
| 40 | B23 | CV 2012 | 386 | | | | | | |
| 42 | B22 | CV 17010 | 216 | | | | | | |

5-28-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43426698 | -118.644858 | 2025-05-28T16:10:43Z | B21 | Ppm264grid33wellcv1907 |
| 2 | 34.43361897 | -118.643325 | 2025-05-28T17:33:58Z | B22 | Ppm316grid42wellcv1701d |
| 3 | 34.43500601 | -118.643296 | 2025-05-28T17:55:33Z | B23 | Ppm386grid40wellcv2012 |
| 4 | 34.42971501 | -118.651048 | 2025-05-28T15:33:33Z | B61 | 200Ppmgrd227surface |
| 5 | 34.42909702 | -118.649073 | 2025-05-28T16:37:29Z | B67 | 200Ppgrd229wellnoid |
| 6 | 34.42930497 | -118.648685 | 2025-05-28T16:47:23Z | B69 | 300Ppmgrd231sruface |
| 7 | 34.43723501 | -118.644028 | 2025-05-28T15:50:13Z | Y01 | 6000Ppm grid 73-well cv24132 |
| 8 | 34.43533902 | -118.644927 | 2025-05-28T17:00:17Z | Y02 | 3800Ppm grid 59-well cv24111 |
| 9 | 34.435609 | -118.64485 | 2025-05-28T17:06:09Z | Y03 | 2800Ppm grid 54well h2166c |
| 10 | 34.43522897 | -118.644141 | 2025-05-28T17:21:05Z | Y04 | 62CPpm grid 60-well cv24112 |
| 11 | 34.43659304 | -118.642912 | 2025-05-28T18:06:16Z | Y05 | 2400Ppm grid 57-well cv 24213 |
| 12 | 34.43551697 | -118.642328 | 2025-05-28T18:30:35Z | Y06 | 7000Ppm grid 63-well cv53s |
| 13 | 34.43461499 | -118.644613 | 2025-05-28T15:36:09Z | Y21 | Ppm638grid36wellcv24110 |
| 14 | 34.43420696 | -118.644184 | 2025-05-28T15:49:25Z | Y22 | Ppm697grid37h2169ewell |
| 15 | 34.43361302 | -118.643322 | 2025-05-28T17:35:16Z | Y23 | Ppm793grid42wellc1701s |
| 16 | 34.43559098 | -118.648828 | 2025-05-28T15:36:59Z | Y41 | 20562Ppmgrd156welcv2201 |
| 17 | 34.43552602 | -118.648851 | 2025-05-28T15:39:10Z | Y42 | 30999Ppmgrd156wellramsp02 |
| 18 | 34.43530801 | -118.648658 | 2025-05-28T15:42:25Z | Y43 | 60410Ppmgrd156wellcv24039 |
| 19 | 34.43501699 | -118.649299 | 2025-05-28T15:54:38Z | Y44 | 5610Ppmgrd177blackpipewcap |
| 20 | 34.43487307 | -118.6502028 | 2025-05-28T12:07:12Z | Y45 | 10460PPMWELLCHIFPO31 |
| 21 | 34.4342 | -118.650824 | 2025-05-28T16:20:06Z | Y46 | 1017Ppmgrd174wellcv2342a |
| 22 | 34.432891 | -118.648067 | 2025-05-28T16:48:43Z | Y47 | 1350Ppmgrd163blackpipe |
| 23 | 34.43154001 | -118.649059 | 2025-05-28T17:08:53Z | Y48 | 2128Ppmgrd199wellcv24193 |
| 24 | 34.43117397 | -118.649822 | 2025-05-28T17:37:26Z | Y49 | 2050Ppmgrd214wellh2163w |
| 25 | 34.43092 | -118.650174 | 2025-05-28T17:43:40Z | Y50 | 1048Ppmgrd214wellh2161w |
| 26 | 34.43111303 | -118.650561 | 2025-05-28T17:50:42Z | Y51 | 2650Ppmgrd215wellh102a |
| 27 | 34.43112804 | -118.650599 | 2025-05-28T17:51:29Z | Y52 | 2972Ppmgrd215blackpipeunmarked |
| 28 | 34.43120901 | -118.650631 | 2025-05-28T17:54:29Z | Y53 | 2335Ppmgrd215wellh103a |
| 29 | 34.42967302 | -118.651054 | 2025-05-28T15:37:09Z | Y62 | 3845ppmgrd227surfcace |
| 30 | 34.42963203 | -118.651107 | 2025-05-28T15:41:24Z | Y63 | 1475Ppmgrd227surface |
| 31 | 34.42961703 | -118.651106 | 2025-05-28T15:43:03Z | Y64 | 1952Ppmgrd227surface |
| 32 | 34.42948996 | -118.650928 | 2025-05-28T15:45:40Z | Y65 | 5264Ppmgrd227wellNold |
| 33 | 34.42908503 | -118.64981 | 2025-05-28T16:28:07Z | Y66 | 1820Ppmgrd228wellCvcv2510 |
| 34 | 34.42931796 | -118.648586 | 2025-05-28T16:51:39Z | Y68 | 600Ppmgrd231surface |
| 35 | 34.42928301 | -118.648463 | 2025-05-28T16:56:04Z | Y69 | 7593Ppmgrd231wellBh-GB-1 |
| 36 | 34.42905301 | -118.64841 | 2025-05-28T17:11:48Z | Y70 | 5213Ppmgrd232wellchh2303n |
| 37 | 34.42945099 | -118.647588 | 2025-05-28T17:22:27Z | Y71 | 500Ppmgrd323wellH-2306n |
| 38 | 34.43655498 | -118.642308 | 2025-05-28T15:41:22Z | Y81 | Y81PPM500SURF58 |
| 39 | 34.43634636 | -118.6413174 | 2025-05-28T12:08:23Z | Y82 | 505PPM SURFACE |
| 40 | 34.43543097 | -118.641793 | 2025-05-28T16:00:30Z | Y83 | Y83PM580WEIIH29 |
| 41 | 34.43462203 | -118.642268 | 2025-05-28T16:14:38Z | Y84 | Y84PPM800SURF44 |
| 42 | 34.43462874 | -118.6414378 | 2025-05-28T12:08:57Z | Y85 | 806PPM SURFACE |

| | | | | | |
|---|---|---|---|---|---|
| 43 | 34.43402097 | -118.642095 | 2025-05-28T16:24:32Z | Y86 | Y86PPM900WEIIPS21800 |
| 44 | 34.43372299 | -118.64229 | 2025-05-28T16:31:06Z | Y88 | Y88PPM582WEII24119 |
| 45 | 34.432862 | -118.64212 | 2025-05-28T17:59:19Z | Y89 | Y89PPM902WEIITD17 |
| 46 | 34.43322301 | -118.643058 | 2025-05-28T18:16:47Z | Y90 | Y90PPM507CV24212 |
| 47 | 34.43268204 | -118.642397 | 2025-05-28T18:04:50Z | Y91 | Y91PPM935SURF51 |
| 48 | 34.43190202 | -118.644207 | 2025-05-28T18:29:46Z | Y92 | PPM885WEIICV009 |
| 49 | 34.43135099 | -118.64548 | 2025-05-28T18:42:33Z | Y94 | Y94PPM500SURP87 |
| 50 | 34.43100197 | -118.645172 | 2025-05-28T18:52:38Z | Y96 | Y96PPM560SURF94 |
| 51 | 34.43041901 | -118.646308 | 2025-05-28T19:01:10Z | Y97 | Y97PPM500WEIIHDPESPR902 |
| 52 | 34.4300725 | -118.6453023 | 2025-05-28T12:09:32Z | Y98 | 530PPM WELLD6 |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician | Stephen Burches |
| Instrument: | TVA 1000 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work * | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 93 | Y1 | surface/pipe | 1,300 | 5-29-25 | | | | | | | | |
| 93 | Y2 | well A1 | 26,000 | | | | | | | | | |
| 92 | Y3 | well A2 | 1,450 | | | | | | | | | |
| 92 | Y4 | Pipe/cap | 4,180 | | | | | | | | | |
| 92 | Y5 | Vulve | 2,181 | | | | | | | | | |
| 92 | Y6 | well A5 | 3,361 | | | | | | | | | |
| 21 | Y7 | well C-8 | 1,252 | | | | | | | | | |
| 48 | Y8 | well C9 | 4,231 | | | | | | | | | |
| 48 | Y9 | well C-10 | 2,281 | | | | | | | | | |
| 45 | Y10 | wellsWHS | 620 | | | | | | | | | |
| 44 | Y11 | well C-11 | 1,720 | | | | | | | | | |
| 65 | Y12 | well C-21 | 1,890 | | | | | | | | | |
| 65 | Y13 | well C-15 | 1,250 | | | | | | | | | |
| 65 | Y14 | well C-26 | 20,000 | | | | | | | | | |
| 58 | Y15 | well H-22 | 9,881 | | | | | | | | | |
| 55 | Y16 | well C-25 | 1,410 | | | | | | | | | |
| 58 | Y17 | well C-24 | 2,111 | | | | | | | | | |
| 71 | Y18 | well C-23 | 30,110 | | | | | | | | | |
| 71 | Y19 | well C-22 | 550 | ✓ | | | | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | Page 1 of 1 Pages |
| Technician: | Stephen Borches | | |
| Instrument: | TVA 1000 | | |
| Calibration Standard: | 500 ppm | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 64 | B1 | well C12 | 290 | 5-24-25 | | | | | |
| 80 | B2 | well SW80 | 290 | ↓ | | | | | |
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5-29-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43596699 | -118.640884 | 2025-05-29T16:55:16Z | B1 | 290Ppmgrd64wellc12 |
| 2 | 34.43828501 | -118.643355 | 2025-05-29T17:23:38Z | B2 | 280Ppmgrd80wellsw80 |
| 3 | 34.43099502 | -118.644058 | 2025-05-29T15:33:29Z | Y1 | 1300Ppmgrd93surface/pipe |
| 4 | 34.43484801 | -118.64118 | 2025-05-29T16:48:21Z | Y10 | 620Ppmgrd48wellsw115 |
| 5 | 34.43527599 | -118.641281 | 2025-05-29T16:51:29Z | Y11 | 1720Ppmgrd44wellc11 |
| 6 | 34.43616103 | -118.640972 | 2025-05-29T16:57:19Z | Y12 | 1890Ppmgrd65wellc27 |
| 7 | 34.43626899 | -118.641073 | 2025-05-29T17:00:13Z | Y13 | 1250Ppmgrd65wellc15 |
| 8 | 34.43662204 | -118.641256 | 2025-05-29T17:02:31Z | Y14 | 20000Ppmgrd65wellc26 |
| 9 | 34.436889 | -118.641502 | 2025-05-29T17:06:02Z | Y15 | 9881Ppmgrd58wellh22 |
| 10 | 34.437105 | -118.641672 | 2025-05-29T17:08:17Z | Y16 | 1410Ppmgrd58wellc25 |
| 11 | 34.43712101 | -118.641698 | 2025-05-29T17:11:30Z | Y17 | 3111Ppmgrd58wellc21 |
| 12 | 34.43793699 | -118.642629 | 2025-05-29T17:17:58Z | Y18 | 30110Ppmgrd71wellc23 |
| 13 | 34.43815601 | -118.64285 | 2025-05-29T17:21:14Z | Y19 | 550Ppmgrd71wellc22 |
| 14 | 34.43122602 | -118.643764 | 2025-05-29T15:49:36Z | Y2 | 20000Ppmgrd93wella1 |
| 15 | 34.43160798 | -118.643307 | 2025-05-29T18:12:43Z | Y3 | 1450Ppmgrd92wella2 |
| 16 | 34.43181996 | -118.643085 | 2025-05-29T16:08:38Z | Y4 | 2181Ppmgrd92pipe/cap |
| 17 | 34.43184201 | -118.643093 | 2025-05-29T16:09:28Z | Y5 | 2181Ppmgrd92valve |
| 18 | 34.43250401 | -118.64165 | 2025-05-29T16:19:14Z | Y6 | 3361Ppmgrd92wella5 |
| 19 | 34.433653 | -118.640883 | 2025-05-29T16:36:44Z | Y7 | 1352Ppmgrd21wellc8 |
| 20 | 34.43418802 | -118.641013 | 2025-05-29T16:43:25Z | Y8 | 4831Ppmgrd48wellc9 |
| 21 | 34.434731 | -118.641167 | 2025-05-29T16:42:01Z | Y9 | 2281Ppmgrd48wellc10 |

# CHIQUITA CANYON LANDFILL (Title 27)
## PERIMETER GAS MONITORING DATA SHEET

281

Date 5-22-25 | Weather Conditions Sunny

Technician Robert Mills | Temp. 82° F

Inst. GEM Model 5000 | Wind Speed (MPH) & Direction 4 E

Serial # G50053O | Barometric Pressure 29.98 in. Hg

| Probe Number | Time | Date | CH4% (% Vol.) | CO2% | O2% | Bal.% | Evac. (PUMPS) | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-A - 10 | 0931 | 5-22-25 | 0.0 | 0.0 | 21.1 | 78.9 | 6 | -.38 | |
| 51 | 0933 | | 0.0 | 0.0 | 21.1 | 78.9 | 19 | -1.61 | |
| 102 | 0935 | | 0.0 | 0.0 | 21.2 | 78.8 | 39 | +.06 | |
| 151.5 | 0937 | | 0.0 | 0.0 | 21.2 | 78.8 | 95 | -.24 | |
| GP-2 - 15.5 | 1049 | | 0.0 | 0.1 | 20.6 | 79.3 | 16 | +.07 | |
| 44.5 | 1052 | | 0.0 | 0.1 | 21.2 | 78.7 | 18 | +.07 | |
| 53 | 1054 | | 0.0 | 0.1 | 21.3 | 78.6 | 19 | +.06 | |
| GP-8 - 10 | 1014 | | 0.0 | 0.4 | 21.0 | 78.6 | 6 | +.10 | |
| 60 | 1016 | | 0.0 | 0.4 | 19.4 | 80.2 | 41 | +.11 | |
| 120 | 1018 | | 0.0 | 0.6 | 20.2 | 79.2 | 75 | +.11 | |
| GP-9 - 25 | 1006 | | 0.0 | 1.0 | 20.1 | 78.9 | 16 | +.08 | |
| 55 | 1008 | | 0.0 | 0.1 | 21.3 | 78.6 | 20 | +.11 | |
| 83 | 1010 | | 0.0 | 0.0 | 21.5 | 78.5 | 51 | +.09 | |
| GP-10 - 22 | 0943 | | 0.0 | 2.2 | 18.2 | 79.6 | 17 | +.41 | |
| 37 | 0945 | | 0.0 | 1.3 | 17.5 | 81.2 | 26 | -.20 | |
| 63 | 0947 | | 0.0 | 0.0 | 21.2 | 78.8 | 42 | -.11 | |
| 87 | 0949 | | 0.0 | 0.0 | 21.3 | 78.7 | 59 | -.09 | |
| GP-11 - 10 | 0918 | | 0.0 | 0.6 | 20.4 | 79.0 | 6 | -.22 | |
| 70 | 0920 | | 0.0 | 7.4 | 10.7 | 81.9 | 49 | -.70 | |
| 141 | 0922 | | 0.0 | 1.6 | 16.4 | 82.0 | 102 | -.36 | |
| 208 | 0924 | | 0.0 | 1.0 | 19.4 | 79.6 | 137 | -.41 | |
| GP-12 - 12 | 0859 | | 0.0 | 0.1 | 20.5 | 79.4 | 4 | +.10 | |
| 38 | 0902 | | 0.0 | 0.0 | 20.5 | 79.5 | 20 | +.08 | |
| 74 | 0904 | | 0.0 | 0.0 | 20.5 | 79.5 | 50 | +.08 | |
| 110 | 0906 | | 0.0 | 0.0 | 20.7 | 79.3 | 75 | +.09 | |
| 224 | 0908 | | 0.0 | 0.0 | 20.7 | 79.3 | 171 | +.31 | |
| GP-13 - 10 | 0833 | | 0.0 | 0.5 | 19.6 | 79.9 | 9 | +.13 | |
| 29 | 0834 | | 0.0 | 5.0 | 17.0 | 78.0 | 19 | .0 | |
| 58 | 0841 | | 25.9 | 11.8 | 1.7 | 60.6 | 39 | -.18 | |
| 87 | 0847 | | 4.6 | 8.9 | 3.2 | 83.3 | 59 | -.68 | |
| 173 | 0852 | ↓ | 10.9 | 4.7 | 2.1 | 82.3 | 109 | +.08 | |

# CHIQUITA CANYON LANDFILL (Title 27)
## PERIMETER GAS MONITORING DATA SHEET

Date 5-22-25 / 5-29-25
Technician Robert Willis
Inst. GEM Model 5200
Serial # G5005510

Weather Conditions Sunny
Temp. 82° / 67° °F
Wind Speed (MPH) & Direction 4E / 3S
Barometric Pressure 29.98 / 29.92 In. Hg

| Probe Number | Time | Date | CH4% (% Vol.) | CO2% | O2% | Bal.% | Evac. (PUMPS) | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-14 - 10 | 0749 | 5-29-25 | 0.0 | 0.0 | 21.0 | 79.0 | 6 | -.05 | |
| 23 | 0752 | | 0.0 | 0.1 | 20.9 | 79.0 | 15 | -.01 | |
| 44 | 0753 | | 0.0 | 1.8 | 18.7 | 79.5 | 30 | -.01 | |
| 67 | 0756 | | 0.0 | 3.7 | 11.6 | 84.7 | 46 | -.45 | |
| 134 | 0758 | ↓ | 0.0 | 3.9 | 13.9 | 82.2 | 92 | -2.67 | |
| GP-15 - 10 | 0808 | 5-22-25 | 36.0 | 59.7 | 0.6 | 3.7 | 6 | -.03 | |
| 40 | 0812 | | 34.6 | 65.1 | 0.3 | 0.0 | 19 | -.02 | |
| 60 | 0816 | | 27.5 | 43.0 | 0.5 | 29.0 | 39 | -.80 | |
| 90 | 0821 | | 42.9 | 49.3 | 1.1 | 6.7 | 59 | +.48 | |
| 115 | 0826 | ↓ | 46.9 | 39.0 | 2.5 | 9.6 | 109 | -1.88 | |
| GP-16 - 10 | 0842 | 5-29-25 | 0.0 | 1.5 | 19.5 | 79.0 | 4 | -.01 | |
| 85 | 0844 | | 0.0 | 1.6 | 18.2 | 80.2 | 26 | +.02 | |
| 154 | 0846 | | 0.0 | 0.5 | 17.7 | 81.9 | 50 | +.02 | |
| 210 | 0848 | | 0.0 | 0.2 | 20.6 | 79.2 | 75 | +.11 | |
| 255 | 0850 | | 0.0 | 0.1 | 20.7 | 79.2 | 171 | +.10 | |
| GP-17 - 10 | 0824 | | 0.0 | 0.7 | 20.2 | 79.1 | 4 | -.02 | |
| 55 | 0826 | | 0.0 | 0.2 | 20.2 | 79.6 | 26 | -.09 | |
| 105 | 0828 | | 0.0 | 0.3 | 19.1 | 80.6 | 50 | -.04 | |
| 149 | 0830 | | 0.0 | 0.3 | 19.1 | 80.5 | 75 | -.02 | |
| 235 | 0832 | | 0.0 | 0.1 | 20.9 | 79.0 | 121 | +.01 | |
| GP-18 - 10 | 0811 | | 0.0 | 0.6 | 20.4 | 79.0 | 6 | -.01 | |
| 38 | 0813 | | 0.0 | 0.2 | 20.7 | 79.1 | 9 | -.15 | |
| 58 | 0815 | | 0.0 | 0.6 | 19.9 | 79.5 | 39 | -.08 | |
| 88 | 0817 | | 0.0 | 0.2 | 20.6 | 79.2 | 59 | -.03 | |
| 115 | 0819 | | 0.0 | 0.2 | 18.4 | 81.4 | 109 | -.10 | |
| GP-19 - 10 | 1019 | | 3.7 | 15.7 | 5.0 | 72.6 | 6 | +.03 | |
| 84 | 1021 | | 0.7 | 5.6 | 9.0 | 84.7 | 41 | +.37 | |
| 116 | 1023 | | 3.9 | 18.2 | 5.9 | 72.0 | 73 | +.03 | |
| GP-20 - 60 | 1007 | | 0.0 | 6.1 | 14.2 | 79.7 | 6 | +.04 | |
| 105 | 1010 | | 0.0 | 9.9 | 10.2 | 80.0 | 41 | +.07 | |
| 173 | 1012 | ↓ | 0.0 | 8.3 | 11.7 | 80.0 | 73 | +.01 | |

## CHIQUITA CANYON LANDFILL (Title 27)
## PERIMETER GAS MONITORING DATA SHEET

281

Date 5-29-25 Weather Conditions Sunny

Technician Robert Johns Temp. 67° °F

Inst. GEM Model 5000 Wind Speed (MPH) & Direction 3 S

Serial # G500530 Barometric Pressure 29.92 in. Hg

| Probe Number | Time | Date | CH4% (% Vol.) | CO2% | O2% | Bal.% | Evac. (PUMPS) | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-21 - 10 | 0956 | 5-29-25 | 0.0 | 0.1 | 20.1 | 79.8 | 6 | -.02 | |
| 90 | 0958 | " | 0.0 | 1.1 | 18.9 | 80.0 | 46 | -.02 | |
| 232 | 1000 | " | 0.0 | 0.0 | 20.0 | 79.9 | 170 | +.07 | |
| GP-22 - 50 | 0944 | " | 0.0 | 0.7 | 19.5 | 79.8 | 6 | +.06 | |
| 155 | 0946 | " | 0.0 | 0.3 | 19.1 | 80.6 | 60 | +.11 | |
| 305 | 0948 | " | 0.0 | 0.0 | 20.4 | 79.6 | 200 | +.15 | |
| GP-23 - 35 | 0931 | " | 0.0 | 2.3 | 16.2 | 79.5 | 6 | +.05 | |
| 77 | 0933 | " | 0.0 | 2.3 | 17.7 | 80.0 | 50 | +.11 | |
| 132 | 0935 | " | 0.0 | 2.1 | 17.2 | 80.7 | 71 | +.05 | |
| GP-24 - 12 | 0920 | " | 0.0 | 2.0 | 20.0 | 79.0 | 6 | +.01 | |
| 40 | 0923 | " | 0.0 | 2.3 | 16.4 | 79.3 | 19 | +.07 | |
| 70 | 0925 | " | 0.0 | 0.2 | 20.6 | 79.3 | 47 | +.02 | |
| GP-25 - 14 | 0910 | " | 0.0 | 1.0 | 20.2 | 76.8 | 6 | +.03 | |
| 50 | 0912 | " | 0.0 | 0.5 | 20.2 | 79.3 | 39 | +.02 | |
| 80 | 0914 | " | 0.0 | 0.1 | 20.9 | 79.0 | 52 | +.02 | |

RES Environmental Inc.

# GEM 5000 CALIBRATION

**TECHNICIAN:** ROBERT JOHNS

**CALIBRATION DATE:** 5/22/2025

**SITE:** CHIQUITA CANYON LANDFILL

**TIME:** 5:00AM

**GEM 5000 SERIAL #:** G500530

| | | UNCORRECTED READING | CORRECTED READING |
|---|---|---|---|
| $CH_4$ | 15% | 15% | 15% |
| $CO_2$ | 15% | 15% | 15% |
| $O_2$ | 4% | 4% | 4% |

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RES Environmental Inc.

# GEM 5000 CALIBRATION

**TECHNICIAN:** ROBERT JOHNS

**CALIBRATION DATE:** 5/29/2025

**SITE:** CHIQUITA CANYON LANDFILL

**TIME:** 5:00AM

**GEM 5000 SERIAL #:** G500530

| | | UNCORRECTED READING | CORRECTED READING |
|---|---|---|---|
| $CH_4$ | 15% | 15% | 15% |
| $CO_2$ | 15% | 15% | 15% |
| $O_2$ | 4% | 4% | 4% |

865 Via Lata • Colton, California 92324 • (909) 422-1001 Fax (909) 422-0707

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Sanchez |
| Instrument: | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 81 | 67.34 | 6-3-25 | | | | | | | | |
| 82 | 47.43 | " | | | | | | | | |
| 171 | 33.50 | " | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 216 | 40.00 | 6-4-25 | | | | | | | | |
| 99 | 33.45 | " | | | | | | | | |
| 89 | 25.49 | " | | | | | | | | |
| 217 | 31.23 | " | | | | | | | | |
| 215 | 58.40 | " | | | | | | | | |
| 214 | 29.42 | " | | | | | | | | |
| 159 | 74.76 | " | | | | | | | | |
| 155 | 64.20 | " | | | | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Cliquitta



| Quarter / Year: | 2nd QTR/2025 | 2nd Quarter 2025 | 2nd QTR /2025 |
|---|---|---|---|
| Technician: | Stephen Borchert | D Hernandez | Stephen Borchert |
| Instrument: | TVA1000 | TVA 100C | TVA1000 |
| Calibration Standard: | 500ppm | 500PPM | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| | | | | | | | | | Tinci | | | |
| 179 | Y1 | well UNMARKED | 3000 | 5-12-25 | 0835 | 5/22/25 | | 2732 | 1052 | 5-30-25 | 18.59 | |
| 161 | Y101 | well CV24169 | 900 | | 0937 | | 117 | | | | | |
| 195 | Y105 | well CV24199 | 608 | | 1022 | | 173 | | | | | |
| 83 | Y81 | Surface | 520 | | 1006 | | 90.7 | | | | | |
| 163 | Y82 | well CV24089 | 652 | | 1019 | | 36.5 | | | | | |
| 157 | Y41 | well RAMSP04 | 608 | | 0947 | | 45.4 | | | | | |
| 173 | Y42 | well RAM SP05 | 568 | | 0858 | | 98.9 | | | | | |
| 200 | Y43 | well CV2354 | 956 | | 0909 | | 330 | | | | | |
| 205 | Y44 | well SW68 | 614 | | 0911 | | 88.7 | | | | | |
| 204 | Y61 | well CV2328 | 590 | | 0945 | | 172 | | | | | |
| 158 | Y62 | well CV24024 | 5000 | | 0953 | | | 3760 | 1053 | | 3.10 | |
| 153 | Y63 | well CV2305 | 6000 | | 0956 | | | 7851 | 1054 | | 12-17 | |
| 148 | Y64 | well H180IA | 1200 | | 0958 | | 410 | | | | | |
| 53 | Y65 | well UNMARKED | 600 | | 1010 | | 146 | | | | | |
| 82 | Y66 | well CV24014 | 900 | | 1001 | | 173 | | | | | |
| 149 | Y67 | well CV24153 | 590 | | 1002 | | 199 | | | | | |
| 181 | Y21 | well CV2362 | 645 | | 0843 | | 73.7 | | | | | |
| 181 | Y22 | well UNMARKED | 4032 | | 0842 | | | 3760 | 1058 | | 45.32 | |
| 180 | Y23 | well UNMARKED | 806 | | 0839 | | 347 | | | | | |
| 180 | Y24 | well EVI607 | 5023 | | 0838 | | | 4177 | 1057 | | 71.60 | |
| 180 | Y25 | Surface | 4098 | | 0838 | | | 960 | 1104 | | 52.10 | |
| 176 | Y26 | Surface | 540 | | 0851 | | 93.6 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR/2025 | 2nd Quarter 2025 | 2nd QTR / 2025 |
| Technician: | Stephen Rodrigues | D Hernandez | Stephen Rodrigues |
| Instrument: | TVA 1000 | TVA1000 | TVA 1000 |
| Calibration Standard: | 500 | 500 ppm | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work Time | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 176 | Y27 | well CV19024 | 9056 | 5-12-25 | 0950 | 5/22/25 | | 1465 | 1608 | 5-20-25 | 103 | |
| 178 | Y28 | Surface | 500 | | 0851 | | 112 | | | | | |
| 177 | Y29 | well unmarked | 1076 | | 0833 | | 397 | | | | | |
| 156 | Y31 | well unmarked | 500 | | 0830 | | 62.4 | | | | | |
| 156 | Y32 | well CV22021 | 1423 | | 0835 | | 421 | | | | | |
| 156 | Y33 | well CV24104 | 700 | | 0828 | | 210 | | | | | |
| 145 | Y34 | well unmarked | 1423 | | 0820 | | 191 | | | | | |
| 77 | Y36 | well P2 | 500 | | 0819 | | 211 | | | | | |
| 77 | Y37 | Surface | 500 | | 0813 | | 62.4 | | | | | |
| 77 | Y38 | surface | 1023 | | 0813 | | 260 | | | | | |
| 77 | Y39 | Surface | 4021 | | 0811 | | 377 | | | | | |
| 77 | Y121 | Surface | 500 | | 0811 | | 135 | | | | | |
| 77 | Y122 | Surface | 1523 | | 0808 | | | 670 | 1112 | | 41.10 | |
| 77 | Y123 | well CV24120 | 1523 | | 0809 | | 440 | | | | | |
| 77 | Y126 | well unmarked | 4523 | | 0802 | | | 3650 | 1113 | | 1.75 | |
| 78 | Y128 | Surface | 2523 | | 0758 | | | 730 | 1115 | | 32.17 | |
| 79 | Y132 | Surface | 4424 | | 0754 | | | 1368 | 1117 | | 99.60 | |
| 80 | Y133 | well CVH-1 | 700 | | 0748 | | 114 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Drumo

MODEL: TVA1000 EQUIPMENT #: 57 SERIAL #: 71611369

MONITORING DATE: 5-30-25 TIME: 0730

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 7.51 ppm | 8.35 ppm | 7.93 ppm |

Background Value = 7.93 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 7 |
| #3 | 505 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

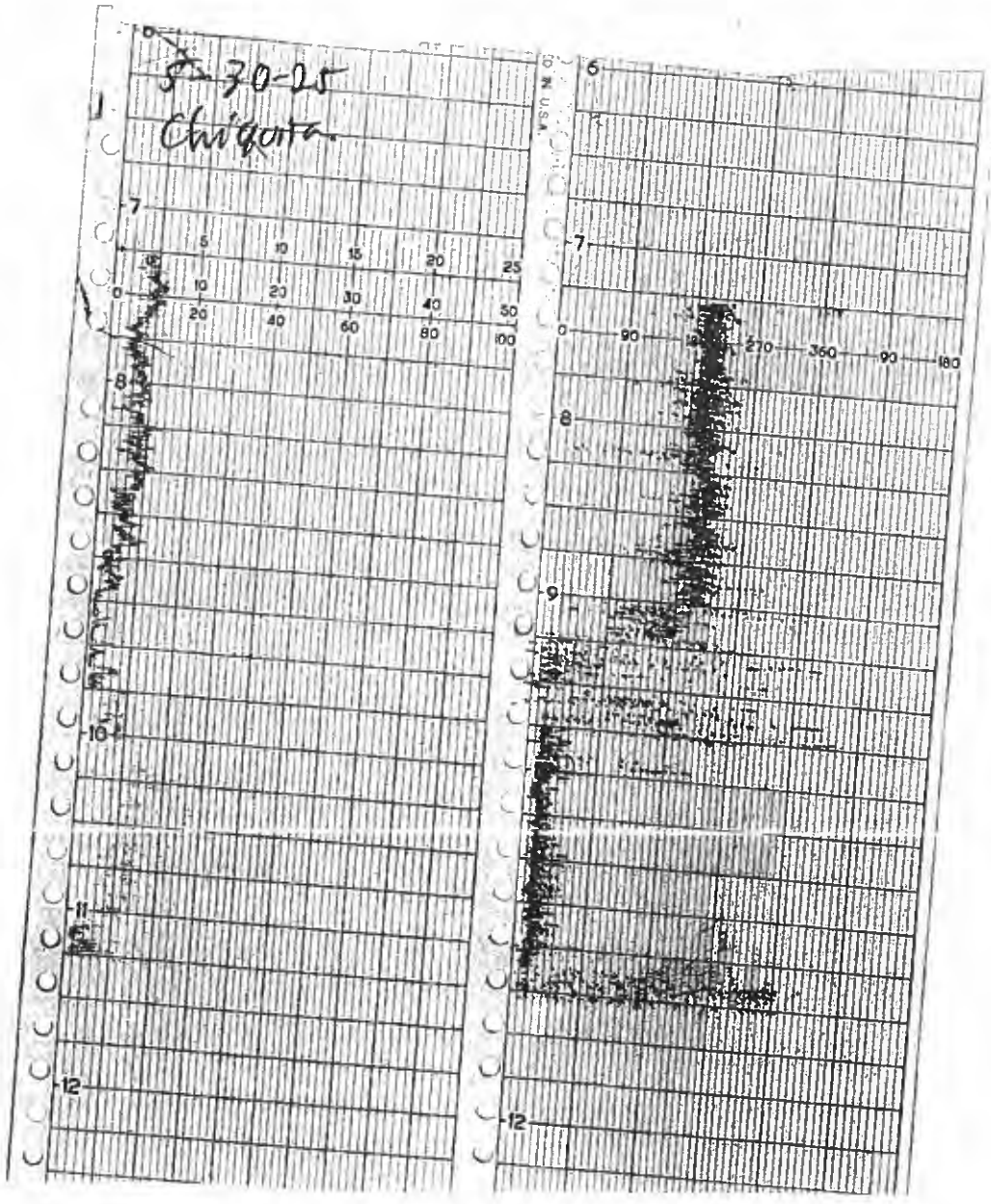
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.0 ppm | 499 ppm | 1 |
| #2 | 0.3 ppm | 501 ppm | 1 |
| #3 | 0.5 ppm | 505 ppm | 5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.46% #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time: 5-30-25/0730

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: CHIQUITA



| Quarter / Year: | 2nd QTR 2025 | 2nd QTR / 2025 | |
|---|---|---|---|
| Technician: | STEPHEN BORCHERS | Stephen Borchers | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 PPM | 500ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Times | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 171 | Y41 | CV 2342A | 506 | 4-28-25 | 1002 | 5-28-25 | 133 | | | | | |
| 171 | Y42 | CV 2302 | 2500 | | 953 | | 175 | | | | | |
| 159 | Y43 | CV2472 | 750 | | 951 | | 87.11 | | | | | |
| 204 | Y61 | SURFACE | 678 | | 1006 | | 1.20 | | | | | |
| 166 | Y62 | CV24083 | 644 | | 952 | | 27.49 | | | | | |
| 80 | Y101 | WELL HI | 5170 | | 924 | | 121 | | | | | |
| 79 | Y102 | CV24147 | 595 | | 923 | | 86.55 | | | | | |
| 79 | Y103 | CV 4582 | 6285 | | 924 | | 14.49 | | | | | |
| 78 | Y104 | CV24123 | 5760 | | 922 | | 31.42 | | | | | |
| 78 | Y105 | SURFACE PIPE | 1273 | | 921 | | 6.99 | | | | | |
| 78 | Y106 | CV24122 | 4512 | | 919 | | 11.61 | | | | | |
| 78 | Y107 | CV24125 | 10,000 | | 905 | | 5.84 | | | | | |
| 77 | Y108 | CV1113 | 4575 | | 917 | | 3.14 | | | | | |
| 78 | Y109 | CV24001 | 10,000 | | 916 | | 35.12 | | | | | |
| 77 | Y110 | CV24124 | 5623 | | 904 | | 3.67 | | | | | |
| 77 | Y111 | UNMARKED | 620 | | 912 | | 172 | | | | | |
| 77 | Y112 | CV24002 | 60,000 | | 913 | | 190 | | | | | |
| 66 | Y113 | 2316A | 910 | | 857 | | 2.91 | | | | | |
| 53 | Y114 | CV2319 | 3684 | | 932 | | 39.24 | | | | | |
| 53 | Y115 | WELLOVA | 1357 | | 931 | | 67.54 | | | | | |
| 81 | Y116 | CV 4426 | 2148 | | 936 | | 120 | | | | | |
| 81 | Y117 | 1+19 45C | 1530 | | 934 | | 13.76 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: CHIQUITA



| Quarter / Year: | 2nd QTR 2025 | 2nd QTR / 2025 | |
|---|---|---|---|
| Technician: | STEPHEN BURCHAM | Stephen Borcherr | |
| Instrument: | XCT 1000 | TVA 1000 | |
| Calibration Standard: | 500 PPM | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Times | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 81 | Y118 | H2167B | 1379 | 4-28-25 | 934 | 5-28-25 | 56.74 | | | | | |
| 82 | Y119 | CV24150 | 1647 | | 938 | | 30.27 | | | | | |
| 82 | Y120 | CV24094 | 9751 | | 937 | | 40.11 | | | | | |
| 82 | Y121 | BLACK PIPE | 7644 | | 940 | | 156 | | | | | |
| 99 | Y122 | STEEL PIPE | 10,000 | | 1015 | | 80.65 | | | | | |
| 216 | Y123 | GRAY PIPE | 6723 | | 1014 | | 80.17 | | | | | |
| 175 | Y21 | CV 2353 | 900 | | 1001 | | 1.71 | | | | | |
| 176 | Y22 | CV19072A | 750 | | 957 | | 1.62 | | | | | |
| 156 | Y23 | CV 2201 | 900 | ↓ | 947 | ✓ | 11.21 | | | | | |

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## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 43 SERIAL #: 15865062

MONITORING DATE: 5-28-25 TIME: 0745

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 7.13 ppm | 8.21 ppm | 7.67 ppm |

Background Value = 7.67 ppm

INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 6 |
| #2 | 503 ppm | 450 ppm | 8 |
| #3 | 502 ppm | 450 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

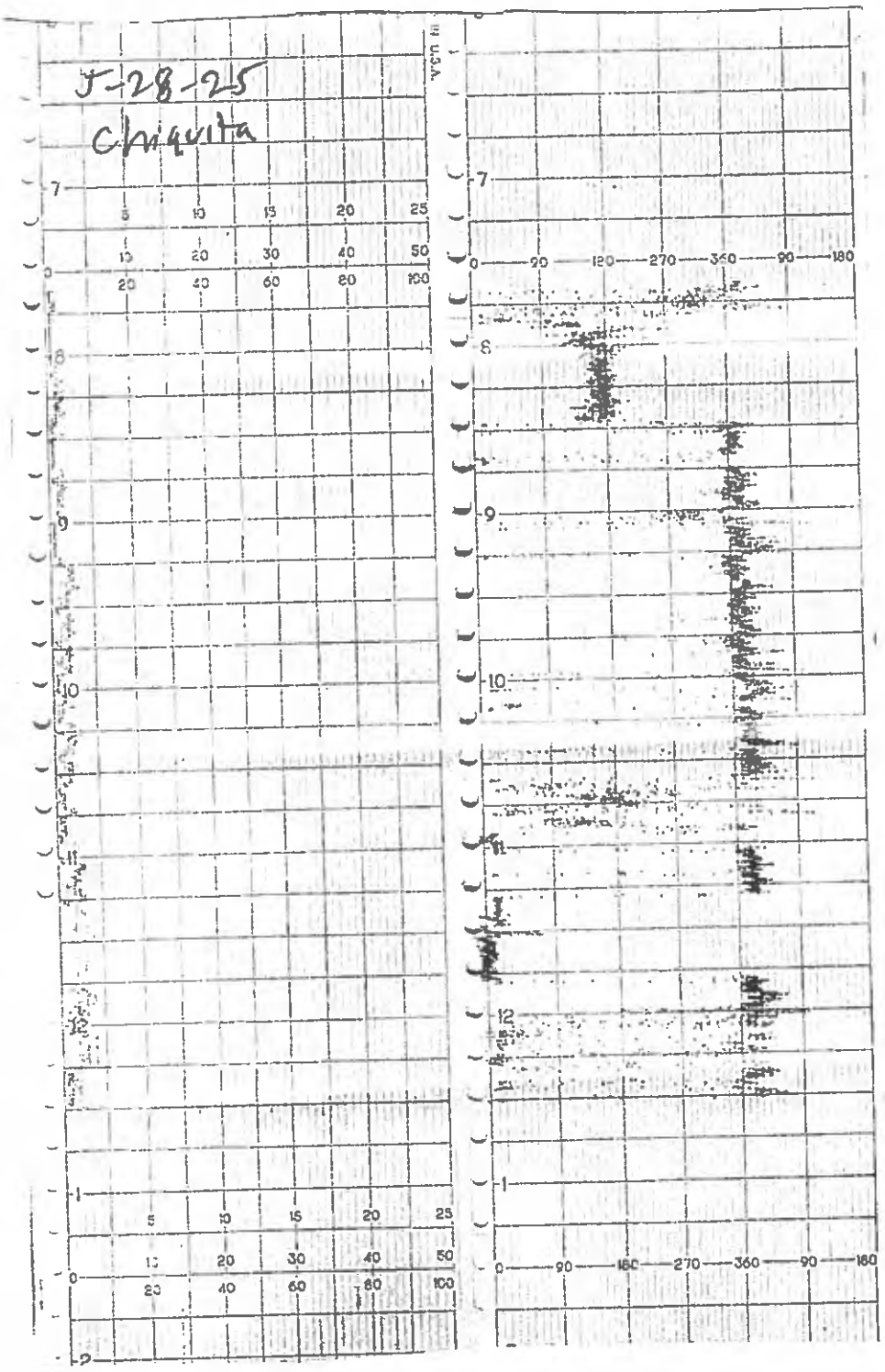
CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 499 ppm | 1 |
| #2 | 1.0 ppm | 503 ppm | 3 |
| #3 | 0.3 ppm | 502 ppm | 2 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.4% #DIV/0! Must be less than 10% |

Performed By Stephen Borchers Date/Time 5-28-25 / 0745

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Times | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 99 | Y120 | Surface | 846 | 5-22-25 | 0953 | 5-30-25 | 170 | | | | | |
| 216 | Y126 | Well CAP | 961 | | 0951 | | 340 | | | | | |
| 82 | Y21 | Well UNMarked | 5000 | | 0928 | | 108 | | | | | |
| 82 | Y22 | Well CV24044 | 1200 | | 0926 | | 294 | | | | | |
| 197 | Y23 | Well H1771M | 800 | | 0925 | | 220 | | | | | |
| 154 | Y24 | Well UNMARK | 3000 | | 0922 | | 11 | | | | | |
| 157 | Y25 | Well CV74R | 5000 | | 0921 | | 300 | | | | | |
| 159 | Y26 | Well CV24184 | 600 | | 0919 | | 45 | | | | | |
| 171 | Y27 | Well CV24060 | 6000 | | 0917 | | 303 | | | | | |
| 161 | Y28 | Well H1565C | 1200 | | 0916 | | 300 | | | | | |
| 173 | Y29 | Well CV24026 | 1500 | | 0912 | | 7.8 | | | | | |
| 173 | Y30 | Well RAMSPOS | 6000 | | 0913 | | 8.1 | | | | | |
| 170 | Y31 | Well CV24043 | 525 | | 0914 | | 76 | | | | | |
| 78 | Y61 | Well CV24122 | 1500 | | 1016 | | 400 | | | | | |
| 78 | Y62 | Well CV24123 | 821 | | 1015 | | 14 | | | | | |
| 78 | Y63 | Surface | 1172 | | 1014 | | 101 | | | | | |
| 79 | Y64 | Well CV24147 | 7300 | | 1012 | | 140 | | | | | |
| 79 | Y65 | Well CV48R | 1020 | | 1013 | | 9.5 | | | | | |
| 80 | Y66 | Well H-1 | 1450 | | 1010 | | 400 | | | | | |
| 83 | Y67 | Well CV24160 | 3800 | | 0930 | | 28 | | | | | |
| 185 | Y68 | Well CAP(ED) 21678 | 2600 | | 0931 | | 160 | | | | | |
| 185 | Y69 | Well UNMarked | 2300 | | 0932 | | 37 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Times | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 160 | Y70 | well CV2489 | 2300 | 5-22-25 | 0934 | 5-30-25 | 50 | | | | | |
| 165 | Y71 | well CV24087 | 2151 | | 0936 | | 280 | | | | | |
| 165 | Y72 | well capped H22774 | 1123 | | 0938 | | 7.6 | | | | | |
| 165 | Y73 | well CV24079 | 28000 | | 0939 | | 305 | | | | | |
| 208 | Y74 | well CV2001 | 10980 | | 0942 | | 11.4 | | | | | |
| 208 | Y75 | stem/pipe | 2591 | | 0943 | | 130 | | | | | |
| 178 | Y1 | CV2308 | 500 | | 0908 | | 140 | | | | | |
| 146 | Y6 | CV2484 | 500 | ↓ | 0850 | ↓ | 280 | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| Quarter / Year: | 2nd QTR / 2025 | 2ND QTR 2025 | Page 1 of 1 Pages |
|---|---|---|---|
| Technician: | Stephen Borchers | Stephen BORCHERS | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 500ppm | 500 PM | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 99 | B125 | well LV2505 | 312 | 5-22-25 | 0945 | 5-30-25 | 103 | | |
| 198 | B103 | well LV24193 | 405 | ↓ | 0947 | ↓ | 196 | | |
| 156 | B8 | RAMSPOT | 200 | ↓ | 0901 | ↓ | 8 | | |

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## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 23 SERIAL #: 1029845167

MONITORING DATE: 5-30-25 TIME: 0730

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.75 ppm | 7.15 ppm | 6.95 ppm |

Background Value = 6.95 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 7 |
| #2 | 498 ppm | 450 ppm | 6 |
| #3 | 501 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

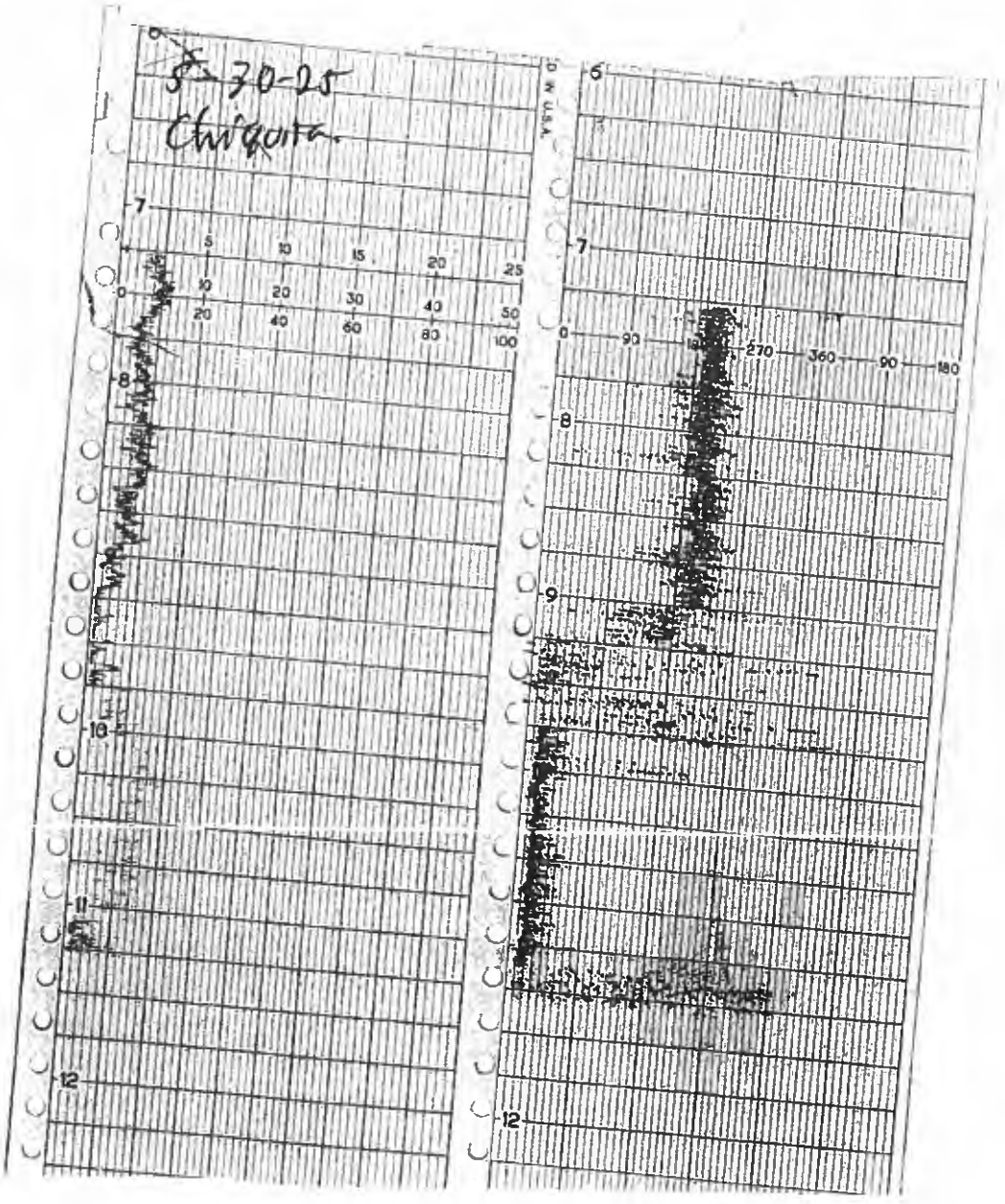
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.0 ppm | 499 ppm | 1 |
| #2 | 0.1 ppm | 498 ppm | 2 |
| #3 | 0.0 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.26% #DIV/0! Must be less than 10% |

Performed By: Stephen Borchard Date/Time 5-30-25 / 0730

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | 2nd Quarter 2025 | | | | | | | | |
| Technician: | Stephen Bourchard | | D Hernandez | | | | | | | | |
| Instrument: | TVA 1000 | | TVA 1000 | | | | | | | | |
| Calibration Standard: | 25 ppm | | 25 ppm | | | | | | | | |
| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | | |
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm | |
| 215 | 29.30 | 5-20-25 | | 5/29/25 | 13.6 | | | | | | |
| 214 | 27.90 | ↓ | | ↓ | 21.9 | | | | | | |

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## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #44 SERIAL #: 17193090

MONITORING DATE: 5-29-25 TIME: 0745

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.9 ppm | 2.9 ppm | 2.4 ppm |

Background Value = 2.4 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 25.1 ppm | 20 ppm | 6 |
| #2 | 26.0 ppm | 20 ppm | 5 |
| #3 | 26.1 ppm | 20 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 5.3 #DIV/0! Must be less than 30 seconds |

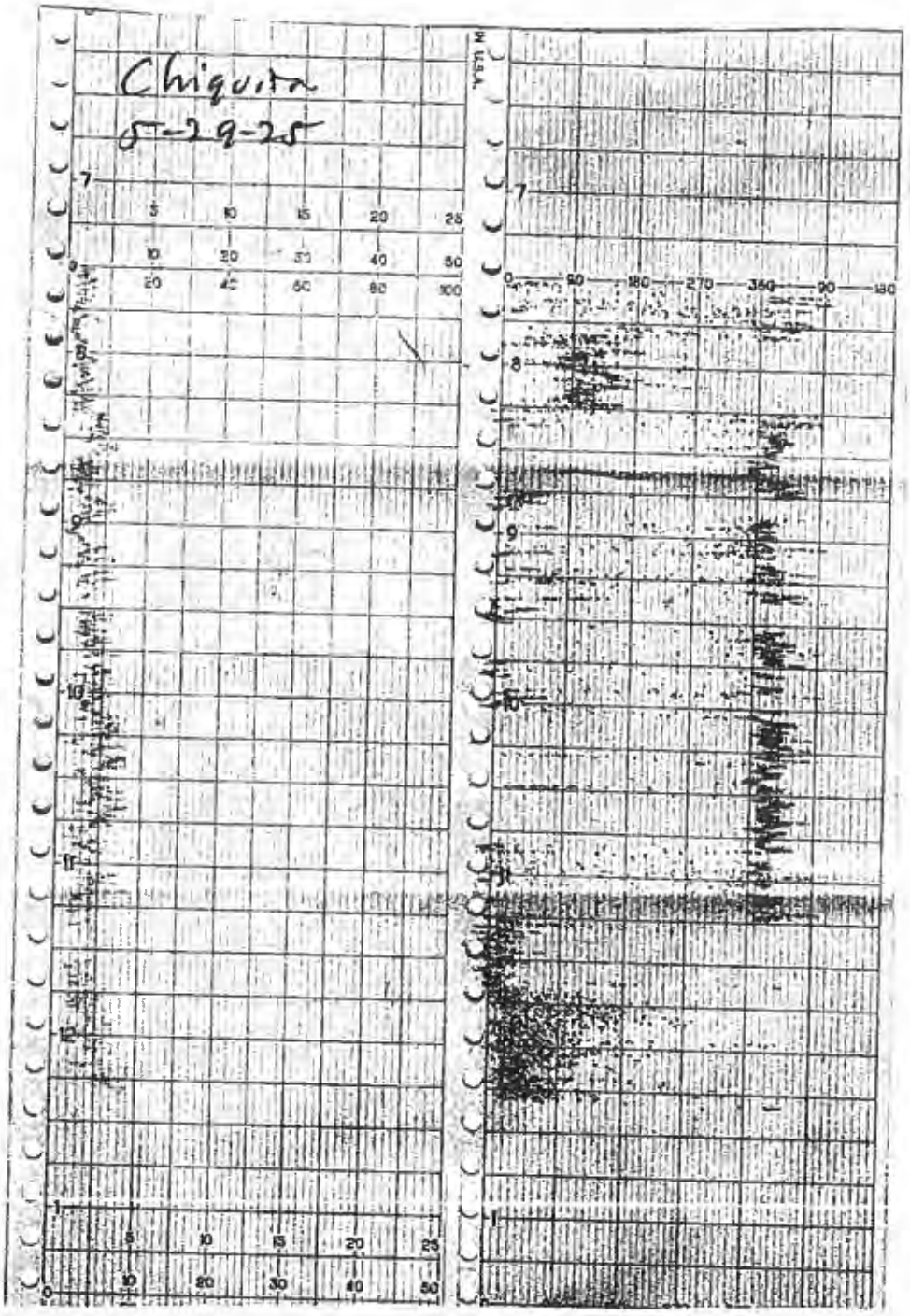
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.59 ppm | 25.1 ppm | 0.1 |
| #2 | 0.61 ppm | 26.0 ppm | 1.0 |
| #3 | 0.61 ppm | 26.1 ppm | 1.1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 6.1 #DIV/0! Must be less than 10% |

Performed By: D. Hemmer Date/Time 5-29-25 0745

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | 2nd QTR / 2025 |
| Technician: | Stephen Bowlus | Jacob Pennington | Stephen Bowlus |
| Instrument: | TVA1000 | TVA 1000 | TVA1000 |
| Calibration Standard: | 500 ppm | 500 ppm | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Time | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work Time | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 59 | Y121 | Well H-21666 | 760 | 5-13-25 | 9:06 | 5-22-25 | | 3056 | 0919 | 5-30-25 | 81.30 | |
| 59 | Y122 | Well CV24110 | 1,952 | | 9:05 | | | 2000 | 0920 | | 103 | |
| 32 | Y123 | Well H-21856 | 1,521 | | 8:56 | | | 979 | 0922 | | 195 | |
| 33 | Y124 | Well CV24109 | 860 | | 8:55 | | | 566 | 0924 | | 14.32 | |
| 31 | Y125 | Surface | 1,218 | | 8:51 | | | 908 | 0926 | | 15.01 | |
| 30 | Y126 | Well CV 24191 | 970 | | 8:52 | | | 903 | 0928 | | 31.21 | |
| 84 | Y127 | Well H-18045 | 4023 | | 9:16 | | 84.2 | | | | | |
| 92 | Y128 | Well CV 009 | 990 | | 8:28 | | 344 | | | | | |
| 92 | Y129 | Surface | 1,232 | | 8:29 | | 234 | | | | | |
| 93 | 41 | Well A-1 | 1,850 | | 1002 | | | 780 | 1012 | | 56.30 | |
| 52 | 42 | Well A-5 | 1,573 | | 1003 | | | 920 | 1015 | | 203 | |
| 21 | 42 | Well C-8 | 3,401 | | 1005 | | | 1200 | 1017 | | 23.28 | |
| 48 | 44 | Well C-9 | 24770 | | 1006 | | | 1400 | 1019 | | 104 | |
| 49 | 45 | Well SW-65 | 1,226 | | 1009 | | | 1050 | 1021 | | 7830 | |
| 44 | 46 | Well C-11 | 1,835 | | 1011 | | | 987 | 1023 | | 140 | |
| 64 | 47 | Well C-12 | 2224 | | 1015 | | | 1762 | 1025 | | 101 | |
| 65 | 48 | Well C-27 | 10,150 | | 1017 | | | 2012 | 1027 | | 78.16 | |
| 65 | 49 | Well C-15 | 10,470 | | 1018 | | | 1980 | 1029 | | 38.50 | |
| 58 | 410 | Well H-22 | 1,768 | | 1020 | | | 1560 | 1032 | | 45.60 | |
| 71 | 411 | Well C-23 | 10,300 | | 10:22 | | | 517 | 1034 | | 78.70 | |
| 71 | 412 | Well C-22 | 741 | ✓ | 10:24 | ↓ | | 639 | 1036 | ↓ | 107 | |
| | | | | | | | | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR/2025 | 2nd QTR / 2025 | 2nd QTR / 2025 |
| Technician: | Stephen Borchers | Jacob Pennington | Stephen Borchers |
| Instrument: | TVA 1000 | TVA 1000 | TVA 1000 |
| Calibration Standard: | 500 ppm | 500 ppm | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work Times | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 73 | Y81 | well CV2913? | 748 | 5-13-25 | 9:27 | 5-22-25 | | 503 | 1041 | 5-30-25 | 122 | |
| 57 | Y82 | well 24213 | 500 | | 9:34 | | 29 | | | | | |
| 63 | Y83 | well CV1538 | 700 | | 9:38 | | | 556 | 1045 | | 109 | |
| 63 | Y84 | well CV1535 | 570 | | 9:39 | | 481 | | | | | |
| 227 | Y61 | Surface | 1500 | | 8:10 | | | 1250 | 0954 | | 421 | |
| 227 | Y62 | Surface | 5000 | | 8:09 | | 93 | | | | | |
| 241 | Y63 | well CV24245 | 1400 | | 7:45 | | | 1200 | 0949 | | 46.19 | |
| 241 | Y64 | Surface | 2400 | | 7:46 | | | 1400 | 0947 | | 198 | |
| 240 | Y65 | Surface | 6000 | | 7:49 | | | 3007 | 0946 | | 31.28 | |
| 240 | Y66 | Surface | 7000 | | 7:49 | | | 566 | 0942 | | 28.90 | |
| 246 | Y21 | Surface | 740 | | 7:36 | | | 900 | 1000 | | 208 | |
| 248 | Y22 | Surface | 580 | | 7:53 | | 326 | | | | | |
| 239 | Y23 | PIPE | 636 | | 7:54 | | 280 | | | | | |
| 55 | Y101 | well CV2707 | 1000 | | 9:11 | | 28.2 | | | | | |
| 60 | Y102 | well CV24102 | 600 | | 8:39 | | 11.2 | | | | | |
| 36 | Y103 | well CV2324 | 1000 | | 9:09 | | 36 | | | | | |
| 37 | Y104 | well H-2168E | 2000 | | 9:19 | | | 1296 | 0913 | | 105 | |
| 38 | Y105 | well CV1703 | 1000 | | 9:24 | | 109 | | | | | |
| 35 | Y106 | well H-5015 | 700 | | 8:42 | | 176 | | | | | |
| 51 | Y107 | well CV6 | 800 | | 8:35 | | | 846 | 0916 | | 70.32 | |
| 50 | Y108 | well CV8 | 800 | | 8:31 | | 214 | | | | | |
| 57 | Y109 | well CV9 | 3000 | | 9:00 | | 384 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 51 SERIAL #: 71611369

MONITORING DATE: 5-30-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 7.51 ppm | 8.35 ppm | 7.93 ppm |

Background Value = 7.93 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 7 |
| #3 | 505 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

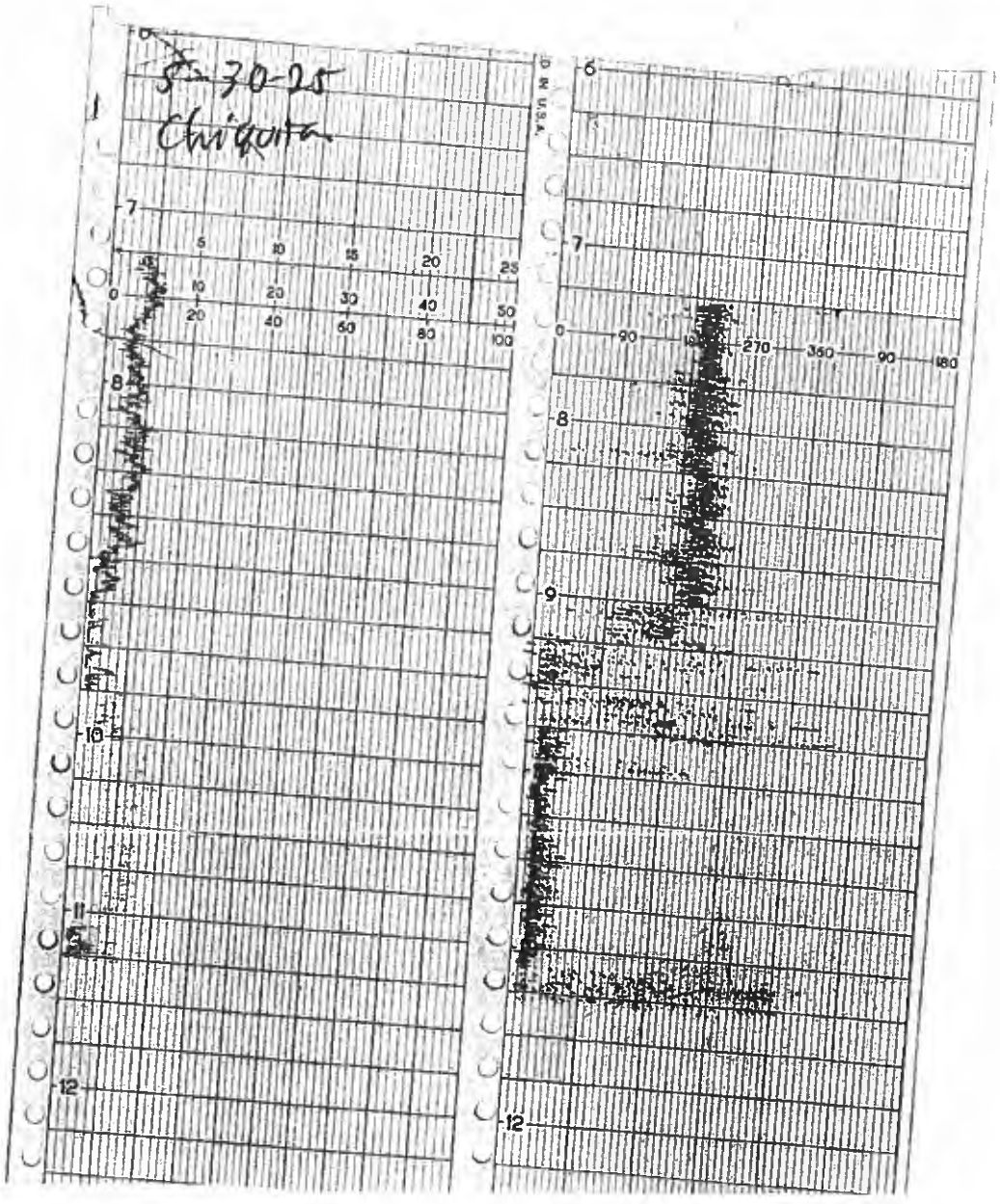
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.0 ppm | 499 ppm | 1 |
| #2 | 0.3 ppm | 501 ppm | 1 |
| #3 | 0.5 ppm | 505 ppm | 5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.46% #DIV/0! Must be less than 10% |

Performed By: Stephen Borchert Date/Time: 5-30-25/0730

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | 2nd QTR / 2025 |
|---|---|---|---|
| Technician: | Stephen Beaches | Jason Pennington | Stephen Beaches |
| Instrument: | TVA 1000 | TVA 1000 | TVA 1000 |
| Calibration Standard: | 500 ppm | 500 ppm | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Time | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work Time | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 59 | Y121 | Well H-21662 | 760 | 5-13-25 | 9:06 | 5-22-25 | | 2056 | 0919 | 5-30-25 | 41.30 | |
| 59 | Y122 | Well CV24111 | 1,952 | | 9:05 | | | 2000 | 0920 | | 103 | |
| 32 | Y123 | Well H-21886 | 1,521 | | 8:56 | | | 970 | 0922 | | 195 | |
| 33 | Y124 | Well CV24109 | 860 | | 8:55 | | | 566 | 0924 | | 14.32 | |
| 31 | Y125 | Surface | 1,218 | | 8:51 | | | 908 | 0926 | | 15.01 | |
| 30 | Y126 | Well CV24191 | 970 | | 8:57 | | | 903 | 0928 | | 31.21 | |
| 84 | Y127 | Well H-18045 | 4023 | | 9:16 | | 84.2 | | | | | |
| 92 | Y128 | Well CV009 | 990 | | 8:28 | | 244 | | | | | |
| 92 | Y129 | Surface | 1,232 | | 8:29 | | 234 | | | | | |
| 93 | 41 | Well A-1 | 1,850 | | 1002 | | | 780 | 1012 | | 56.70 | |
| 52 | 42 | Well A-5 | 1,573 | | 1003 | | | 920 | 1015 | | 203 | |
| 21 | 43 | Well C-8 | 2,401 | | 1005 | | | 1200 | 1017 | | 23.28 | |
| 48 | 44 | Well C-9 | 2,770 | | 1006 | | | 1400 | 1019 | | 104 | |
| 49 | 45 | Well SW-65T | 1,226 | | 1009 | | | 1050 | 1021 | | 78.30 | |
| 44 | 46 | Well C-11 | 1,835 | | 1011 | | | 987 | 1023 | | 140 | |
| 64 | 47 | Well C-12 | 22-24 | | 1015 | | | 1762 | 1025 | | 101 | |
| 65 | 48 | Well C-27 | 10,150 | | 1017 | | | 2012 | 1027 | | 78.16 | |
| 65 | 49 | Well C-15 | 10,470 | | 1018 | | | 1980 | 1029 | | 38.50 | |
| 58 | 410 | Well H-22 | 7,768 | | 1020 | | | 1560 | 1032 | | 45.60 | |
| 71 | 411 | Well C-23 | 10,360 | | 10:22 | | | 517 | 1034 | | 78.70 | |
| 71 | 412 | Well C-22 | 741 | ✓ | 10:24 | ↓ | ↓ | 639 | 1036 | ✓ | 107 | |
| | | | | | | | | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd QTR/2025 | 2nd QTR / 2025 | 2nd QTR / 2025 |
|---|---|---|---|
| Technician: | Stephen Borchers | Jacob Pennington | Stephen Borchers |
| Instrument: | TVA 1000 | TVA 1000 | TVA 1000 |
| Calibration Standard: | 500 ppm | 500 ppm | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| | | | | | | | | | Flares | | | |
| 73 | Y81 | well CV2913 | 748 | 5-13-25 | 9:27 | 5-22-25 | | 503 | 1041 | 5-30-25 | 122 | |
| 57 | Y82 | well 24213 | 500 | | 9:34 | | 29 | | | | | |
| 63 | Y83 | well CV1538 | 700 | | 9:38 | | | 556 | 1045 | | 109 | |
| 63 | Y84 | well CV1535 | 510 | | 9:39 | | 481 | | | | | |
| 227 | Y61 | Surface | 1500 | | 8:10 | | | 1250 | 0954 | | 421 | |
| 227 | Y62 | Surface | 5000 | | 8:09 | | 93 | | | | | |
| 241 | Y63 | well CV24245 | 1400 | | 7:45 | | | 1200 | 0949 | | 46.19 | |
| 241 | Y64 | Surface | 2400 | | 7:46 | | | 1400 | 0947 | | 198 | |
| 240 | Y65 | Surface | 6000 | | 7:49 | | | 3007 | 0946 | | 31.28 | |
| 240 | Y66 | Surface | 7000 | | 7:49 | | | 566 | 0942 | | 28.40 | |
| 246 | Y21 | Surface | 740 | | 7:36 | | | 900 | 1000 | | 208 | |
| 248 | Y22 | Surface | 580 | | 7:53 | | 326 | | | | | |
| 239 | Y23 | PIPE | 636 | | 7:54 | | 280 | | | | | |
| 55 | Y101 | well CV2707 | 1000 | | 9:11 | | 28.2 | | | | | |
| 60 | Y102 | well CV24102 | 600 | | 8:39 | | 11.2 | | | | | |
| 36 | Y103 | well CV2324 | 1000 | | 9:09 | | 36 | | | | | |
| 37 | Y104 | well H-16SE | 2000 | | 9:19 | | | 1296 | 0913 | | 105 | |
| 38 | Y105 | well CV1703 | 1000 | | 9:24 | | 109 | | | | | |
| 35 | Y106 | well H15015 | 700 | | 8:42 | | 176 | | | | | |
| 51 | Y107 | well CV6 | 800 | | 8:35 | | | 846 | 0916 | | 70.32 | |
| 50 | Y108 | well CV8 | 800 | | 8:31 | | 214 | | | | | |
| 57 | Y109 | well CV9 | 3000 | ↓ | 9:00 | ↓ | 384 | | | ↓ | | |

RDS Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 57 SERIAL #: 71611369

MONITORING DATE: 5-30-25 TIME: 0730

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 7.51 ppm | 8.35 ppm | 7.93 ppm |

Background Value = 7.93 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 7 |
| #3 | 505 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

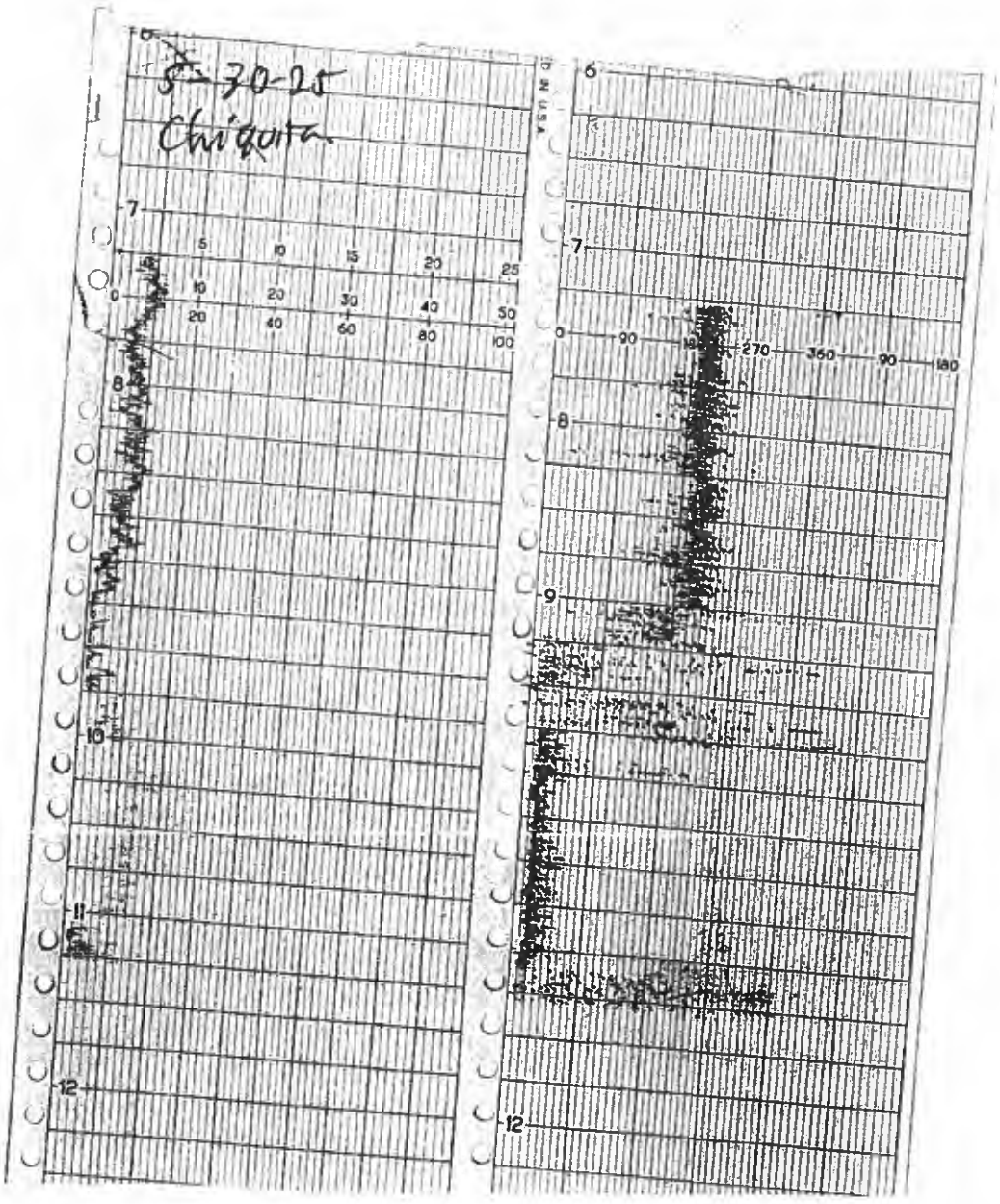
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.0 ppm | 499 ppm | 1 |
| #2 | 0.3 ppm | 501 ppm | 1 |
| #3 | 0.5 ppm | 505 ppm | 5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.46% #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time 5-30-25/0730

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd Quarter 2025 | |
| Technician: | Stephen Borchers | D Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 25 ppm | 25 ppm | |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 199 | 25.62 | 5-19-25 | | 5/29/25 | 21.7 | | | | | |
| 195 | 25.71 | ↓ | | ↓ | 17.4 | | | | | |
| 185 | 46.34 | | | | 13.8 | | | | | |
| 180 | 68.63 | √ | | | 19.7 | | | | | |

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #44 SERIAL #: 17193090

MONITORING DATE: 5-29-25 TIME: 0745

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.9 ppm | 2.9 ppm | 2.4 ppm |

Background Value = 2.4 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 25.1 ppm | 20 ppm | 6 |
| #2 | 26.0 ppm | 20 ppm | 5 |
| #3 | 26.1 ppm | 20 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 5.3 #DIV/0! Must be less than 30 seconds |

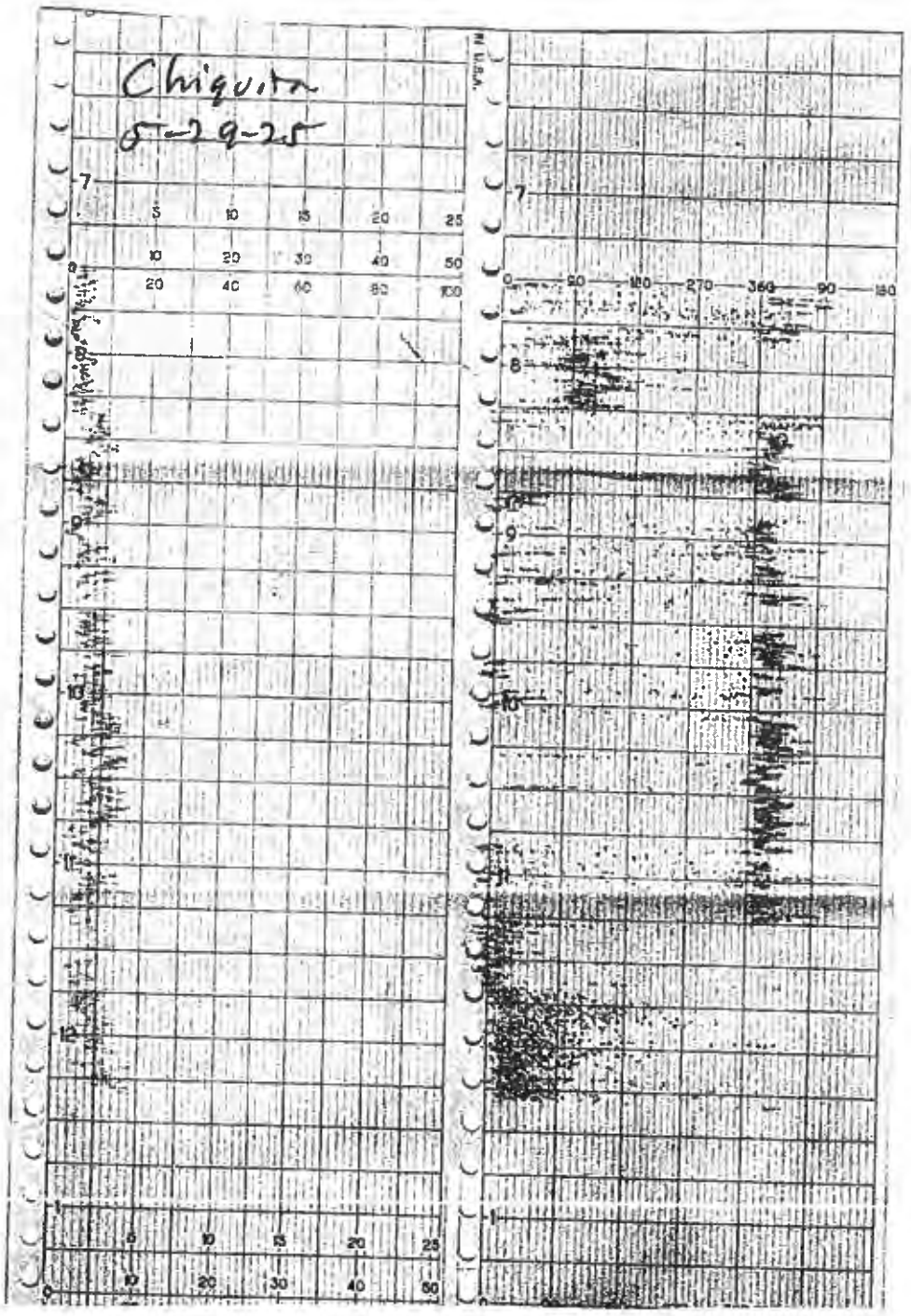
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.59 ppm | 25.1 ppm | 0.1 |
| #2 | 0.61 ppm | 26.0 ppm | 1.0 |
| #3 | 0.61 ppm | 26.1 ppm | 1.1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 6.1 #DIV/0! Must be less than 10% |

Performed By D. Hammer Date/Time: 5-29-25 0745

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | |
|---|---|
| Quarter / Year: | 2nd Qtr |
| Technician: | Jerry Munoz |
| Instrument: | TVA-100 |
| Calibration Standard: | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 165 | Y100 | Cap well | 702 | 6-5-25 | | | | | | | | |
| 160 | Y101 | well EV24164 | 564 | | | | | | | | | |
| 160 | Y10L | well EV24058 | 994 | | | | | | | | | |
| 89 | Y103 | well MW2748 | 782 | | | | | | | | | |
| 88 | Y104 | well EV24106 | 516 | | | | | | | | | |
| 194 | Y105 | well EV24116 | 406 | | | | | | | | | |
| 162 | Y140 | well EV24104 | 660 | | | | | | | | | |
| 214 | Y141 | well MW-216 | 700 | | | | | | | | | |
| 217 | Y60 | well EV24114 | 708 | | | | | | | | | |
| 53 | Y120 | well MW04A | 728 | | | | | | | | | |
| 82 | Y121 | well EV-24059 | 560 | | | | | | | | | |
| 81 | Y123 | Surface | 1500 | | | | | | | | | |
| 154 | Y122 | Surface | 1600 | | | | | | | | | |
| 171 | Y40 | EV24060 | 900 | | | | | | | | | |
| 170 | Y41 | well EV2302 | 8000 | | | | | | | | | |
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## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd Qtr | | Page 1 of 1 Pages |
| Technician: | Jerry Munoz | | |
| Instrument: | TVA-1000 | | |
| Calibration Standard: | 500 PPM | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 15C | B60 | Ramp05 well | 399 | 6-5-25 | | | | | |
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6-5-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43551303 | -118.648756 | 2025-06-05T16:17:28Z | B60 | ppm399grid156wellramsp02 |
| 2 | 34.43341102 | -118.648064 | 2025-06-05T16:20:36Z | Y100 | 762PPMGRD165 CAPWELL |
| 3 | 34.43321798 | -118.64768 | 2025-06-05T16:57:40Z | Y101 | 564PPMGRD160 WELL CV24169 |
| 4 | 34.433581 | -118.647627 | 2025-06-05T17:02:51Z | Y102 | 999PPMGRD160 WELLCV24088 |
| 5 | 34.43230502 | -118.646776 | 2025-06-05T17:51:14Z | Y103 | 782PPMGRD88 WELLCV24106 |
| 6 | 34.43165299 | -118.645749 | 2025-06-05T18:05:51Z | Y104 | 516PPMGRD194 WELLCV24116 |
| 7 | 34.43259403 | -118.646679 | 2025-06-05T17:40:05Z | Y105 | 906PPM GRD89 WELLH2274B |
| 8 | 34.43536299 | -118.64579 | 2025-06-05T15:38:00Z | Y120 | 728Ppm grd53 well h-1804a |
| 9 | 34.43457602 | -118.646047 | 2025-06-05T16:05:58Z | Y121 | 560Ppm grd82 wellcv-24094 |
| 10 | 34.43384 | -118.647561 | 2025-06-05T17:06:27Z | Y122 | 1600Ppm grd159 surface |
| 11 | 34.43497902 | -118.645713 | 2025-06-05T16:24:01Z | Y123 | 1500Ppm grd81 surface |
| 12 | 34.432085 | -118.646685 | 2025-06-05T17:51:06Z | Y140 | 660PPMWELLCV24109 |
| 13 | 34.43112058 | -118.6498374 | 2025-06-05T18:09:50Z | Y141 | 700PPMKWELLH216 |
| 14 | 34.43403203 | -118.648758 | 2025-06-05T17:11:07Z | Y40 | 900Ppm grid 171-well cv24060 |
| 15 | 34.43408199 | -118.649159 | 2025-06-05T17:20:53Z | Y41 | 8000-Ppm grid 170-well cv2302 |
| 16 | 34.43081405 | -118.6485057 | 2025-06-05T18:08:00Z | Y60 | Ppm708grid217wellcv24114 |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd >500 ppm |
| 45 | Y50 | Surface | 572 | 6-10-25 | | | | | | | | |
| 46 | Y51 | Surface | 900 | | | | | | | | | |
| 51 | Y54 | CV-06 | 800 | | | | | | | | | |
| 73 | Y1 | CV24132 | 1,500 | | | | | | | | | |
| 40 | Y2 | CV2012 | 500 | | | | | | | | | |
| 59 | Y3 | CV24111 | 528 | | | | | | | | | |
| 36 | Y4 | CV2324 | 1,200 | ↓ | | | | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | Page 1 of 1 Pages |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | |
| Technician: | Stephen Borchert | | |
| Instrument: | TVA1000 | | |
| Calibration Standard: | 500 ppm | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 237 | B-61 | GAB25 | 305 | 6-10-25 | | | | | |
| 237 | B-62 | GAB15 | 230 | ↓ | | | | | |
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6-10-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.42811298 | -118.648403 | 2025-06-10T15:58:25Z | B61 | Ppm305grid237wellgab25 |
| 2 | 34.42812103 | -118.648411 | 2025-06-10T15:59:37Z | B62 | Ppm230grid237wellgab15 |
| 3 | 34.43725001 | -118.64403 | 2025-06-10T15:14:00Z | Y01 | 1500Ppm grid 73-well cv24132 |
| 4 | 34.43502403 | -118.643289 | 2025-06-10T18:22:18Z | Y02 | 500Ppm grid40-well cv2012 |
| 5 | 34.43531597 | -118.644923 | 2025-06-10T18:44:45Z | Y03 | 528Ppm grid 59-well cv24111 |
| 6 | 34.43452204 | -118.644218 | 2025-06-10T18:59:19Z | Y04 | 1200Ppm grid 36well cv 2324 |
| 7 | 34.43470703 | -118.642166 | 2025-06-10T17:53:03Z | Y50 | Y50PPM512SURF45 |
| 8 | 34.434128 | -118.642171 | 2025-06-10T18:04:06Z | Y51 | Y51PPM900SURF46 |
| 9 | 34.43257702 | -118.642756 | 2025-06-10T18:56:25Z | Y54 | Y54PPM800WEIICV06 |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician | Stephen Barbee |
| Instrument | TVA1000 |
| Calibration Standard: | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 211 | Y1 | surface | 7,000 | 6-11-25 | | | | | | | | |
| 276 | Y2 | surface | 900 | | | | | | | | | |
| 185 | Y21 | CV24073 | 60,000 | | | | | | | | | |
| 185 | Y22 | steel pipe | 20,000 | | | | | | | | | |
| 185 | Y23 | CV24012 | 30,000 | | | | | | | | | |
| 178 | Y24 | CV24021 | 10,000 | | | | | | | | | |
| 178 | Y25 | CV24027 | 30,000 | | | | | | | | | |
| 178 | Y26 | CV2308 | 1,400 | | | | | | | | | |
| 178 | Y27 | CV24026 | 1,529 | | | | | | | | | |
| 32 | Y28 | H-2168C | 5,107 | | | | | | | | | |
| 32 | Y29 | CV24110 | 2,876 | | | | | | | | | |
| 32 | Y30 | 12" T cap/pipe | 80,000 | | | | | | | | | |
| 32 | Y31 | CV2321 | 3,970 | | | | | | | | | |
| 32 | Y32 | H 1902N | 30,000 | | | | | | | | | |
| 33 | Y33 | H 1956B | 1,678 | | | | | | | | | |
| 33 | Y34 | CV-1907 | 615 | | | | | | | | | |
| 33 | Y35 | CV-24109 | 2,507 | | | | | | | | | |
| 30 | Y36 | CV-24161 | 2,730 | | | | | | | | | |
| 30 | Y37 | H-18048 | 570 | | | | | | | | | |
| 30 | Y38 | Surface | 9,683 | | | | | | | | | |
| 84 | Y39 | unmarked | 4,463 | | | | | | | | | |
| 85 | Y40 | CV24210 | 3,428 | | | | | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR /2025 | | Page 1 of 1 Pages |
| Technician: | Stephen Borchers. | | |
| Instrument: | TVA 1000 | | |
| Calibration Standard: | 500 ppm | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 85 | R21 | W18045 | 219 | 6-11-25 | | | | | |
| 84 | B22 | W1764N | 397 | | | | | | |
| 220 | B1 | CV24236 | 280 | | | | | | |
| 220 | B2 | Unmarked (west) | 226 | ↓ | | | | | |

6-11-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43011399 | -118.650474 | 2025-06-11T19:04:04Z | B01 | 280Ppm grid 220well cv 24236 |
| 2 | 34.43015297 | -118.650449 | 2025-06-11T19:08:14Z | B02 | 226-Ppm grid 220-well unmarked |
| 3 | 34.43307901 | -118.645705 | 2025-06-11T18:55:53Z | B21 | 219Ppmgrd85wellh1804s |
| 4 | 34.43317498 | -118.645619 | 2025-06-11T18:58:20Z | B22 | 392Ppmgrd84wellh1764n |
| 5 | 34.43209598 | -118.650487 | 2025-06-11T16:40:34Z | Y01 | 7000-Ppm grid 211-surface |
| 6 | 34.43001802 | -118.650546 | 2025-06-11T18:54:55Z | Y02 | 900Ppm grid 226-surface |
| 7 | 34.43659999 | -118.649187 | 2025-06-11T16:56:26Z | Y21 | 10000Ppmgrd185wellcv24073 |
| 8 | 34.43622197 | -118.649595 | 2025-06-11T17:15:42Z | Y22 | 20000Ppmgrd185steelpipenexttowell145 |
| 9 | 34.43616799 | -118.649338 | 2025-06-11T17:18:54Z | Y23 | 30000Ppmgrd185wellcv24012 |
| 10 | 34.43615399 | -118.649009 | 2025-06-11T17:22:25Z | Y24 | 10000Ppmgrd178wellcv24021 |
| 11 | 34.43612901 | -118.648691 | 2025-06-11T17:24:55Z | Y25 | 30000Ppmgrd178wellcv24027 |
| 12 | 34.43590396 | -118.648884 | 2025-06-11T17:28:17Z | Y26 | 1400Ppmgrd178wellcv2305 |
| 13 | 34.43568 | -118.64923 | 2025-06-11T17:30:49Z | Y27 | 1529Ppmgrd178wellcv24026 |
| 14 | 34.43442204 | -118.644812 | 2025-06-11T17:43:14Z | Y28 | 5107Ppmgrd32wellh2168c |
| 15 | 34.43463896 | -118.644665 | 2025-06-11T17:45:51Z | Y29 | 2876Ppmgrd32wellcv24110 |
| 16 | 34.43456302 | -118.645282 | 2025-06-11T17:49:41Z | Y30 | 80000Ppmgrd32-12inchtcapwpipe |
| 17 | 34.43463704 | -118.645349 | 2025-06-11T17:53:21Z | Y31 | 3970Ppmgrd32wellcv2321 |
| 18 | 34.43480199 | -118.645071 | 2025-06-11T17:56:47Z | Y32 | 30000Ppmgrd32wellh1802n |
| 19 | 34.43427804 | -118.644727 | 2025-06-11T18:01:11Z | Y33 | 1978Ppmgrd33wellh1956b |
| 20 | 34.43425901 | -118.644901 | 2025-06-11T18:03:10Z | Y34 | 615Ppmgrd33wellcv1907 |
| 21 | 34.43398702 | -118.644851 | 2025-06-11T18:08:57Z | Y35 | 2507Ppmgrd33wellcv24109 |
| 22 | 34.43385702 | -118.645604 | 2025-06-11T18:20:56Z | Y36 | 2730Ppmgrd30wellcv24161 |
| 23 | 34.43422599 | -118.64562 | 2025-06-11T18:23:54Z | Y37 | 570Ppmgrd30wellh1804b |
| 24 | 34.43395399 | -118.645452 | 2025-06-11T18:26:27Z | Y38 | 9683Ppmgrd30surface |
| 25 | 34.43350498 | -118.64596 | 2025-06-11T18:42:44Z | Y39 | 4463Ppmgrd84unmarkedwell |
| 26 | 34.432675 | -118.645557 | 2025-06-11T19:03:47Z | Y40 | 3428Ppmgrd85wellcv24210 |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 187 | 27.44 | 6-16-25 | | | | | | | | |
| 189 | 45.00 | ↓ | | | | | | | | |
| 53 | 34.2 | ↓ | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: CHIQUITA



| Quarter / Year: | 2ND QTR 2025 | 2ND QTR 2025 | |
|---|---|---|---|
| Technician: | STEPHEN BONCHER | D. HOWARD SR | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 179 | Y1 | GAS UNMANNED | 3000 | 5-12-25 | 0820 | 6-13-25 | 466 | | | | | |
| 161 | Y101 | CV24164 | 900 | | 0902 | | 26.8 | | | | | |
| 195 | Y105 | CV24199 | 608 | | 0724 | | 73.6 | | | | | |
| 83 | Y81 | SURFACE | 520 | | 1000 | | 303 | | | | | |
| 163 | Y82 | CV24080 | 652 | | 0951 | | 16.1 | | | | | |
| 157 | Y41 | RAMSPOT | 608 | | 0837 | | 66.3 | | | | | |
| 173 | Y42 | RAMSPOT | 568 | | 0810 | | 103 | | | | | |
| 200 | Y43 | CV2354 | 956 | | 0734 | | 47.2 | | | | | |
| 205 | Y44 | SW6F | 614 | | 0736 | | 112 | | | | | |
| 209 | Y61 | CV2328 | 590 | | 0835 | | 190 | | | | | |
| 158 | Y62 | CV24024 | 50000 | | 0843 | | 40.3 | | | | | |
| 153 | Y63 | CV2305 | 60000 | | 0846 | | 479 | | | | | |
| 148 | Y64 | H1801A | 1200 | | 0848 | | 363 | | | | | |
| 53 | Y65 | GAS UNMANNED | 6000 | | 0908 | | 125 | | | | | |
| 82 | Y66 | CV24094 | 900 | | 0910 | | 301 | | | | | |
| 149 | Y67 | CV24153 | 590 | | 0911 | | 54.5 | | | | | |
| 181 | Y21 | CV2362 | 645 | | 0741 | | 60.5 | | | | | |
| 181 | Y22 | GAS UNMANNED | 4032 | | 0740 | | 376 | | | | | |
| 180 | Y23 | GAS UNMANNED | 806 | | 0823 | | 280 | | | | | |
| 180 | Y24 | CV1607 | 5023 | | 0822 | | 301 | | | | | |
| 180 | Y25 | SURFACE | 4098 | | 0822 | | 264 | | | | | |
| 176 | Y26 | SURFACE | 540 | | 0821 | | 67.2 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: CHIQUITA



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd Qtr 2025 | 2nd Qtr 2025 | |
| Technician: | STEPHEN BORCHERS | DIFFERENT | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 PPM | 500 PPM | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 176 | Y27 | CV1902A | 9056 | 5-12-25 | 0827 | 6-13-25 | 405 | | | | | |
| 176 | Y28 | SURFACE | 500 | | 0828 | | 137 | | | | | |
| 177 | Y29 | NEW UNMARKED | 1076 | | 0818 | | 332 | | | | | |
| 156 | Y31 | NEW UNMARKED | 500 | | 0816 | | 78.6 | | | | | |
| 156 | Y32 | CV 2201 | 1423 | | 0816 | | 371 | | | | | |
| 156 | Y33 | CV2404 | 700 | | 0815 | | 183 | | | | | |
| 145 | Y34 | NEW UNMARKED | 1423 | | 0802 | | 20.5 | | | | | |
| 77 | Y36 | NEW P2 | 500 | | 0758 | | 27.3 | | | | | |
| 77 | Y37 | SURFACE | 500 | | 0758 | | 44.6 | | | | | |
| 77 | Y38 | SURFACE | 1023 | | 0757 | | 210 | | | | | |
| 77 | Y39 | SURFACE | 4021 | | 0757 | | 350 | | | | | |
| 77 | Y121 | SURFACE | 500 | | 0849 | | 136 | | | | | |
| 77 | Y122 | SURFACE | 1523 | | 0849 | | 286 | | | | | |
| 77 | Y123 | CV2412O | 1523 | | 0903 | | 175 | | | | | |
| 77 | Y126 | CCHSUMP0 | 4523 | | 0747 | | 468 | | | | | |
| 78 | Y128 | SURFACE | 2823 | | 0748 | | 213 | | | | | |
| 79 | Y132 | SURFACE | 4424 | | 0808 | | 423 | | | | | |
| 80 | Y133 | CVH-1 | 700 | | 0803 | | 127 | | | | | |
| | | | | | | | | | | | | |
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RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #6 SERIAL #: 0720723626

MONITORING DATE: 6-13-25 TIME: 0645

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.9 ppm | 2.9 ppm | 2.4 ppm |

Background Value = 2.4 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 501 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 5 |
| #3 | 501 ppm | 450 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 5.3 #DIV/0! Must be less than 30 seconds |

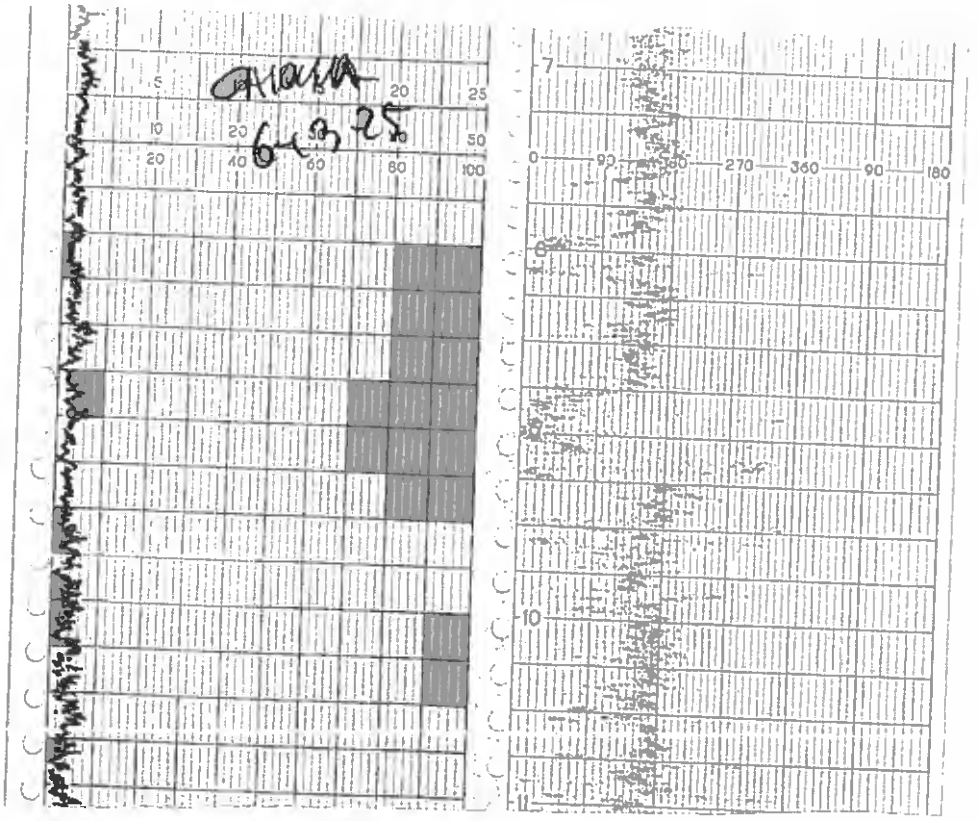
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.65 ppm | 501 ppm | 1 |
| #2 | 0.61 ppm | 501 ppm | 1 |
| #3 | 0.63 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | #DIV/0! Must be less than 10% |

Performed By: D. Hallman Date/Time: 6-13-25 0645

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: CHIQUITA



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR 2025 | 2nd QTR 2025 | |
| Technician: | STEPHANIE BORCHERDS | D. Hamilton | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 73 | Y81 | CV29132 | 748 | 5-13-25 | 0912 | 6-13-25 | 93.7 | | | | | |
| 57 | Y82 | 24213 | 500 | | 0951 | | 41.3 | | | | | |
| 63 | Y83 | CV1538 | 700 | | 0954 | | 257 | | | | | |
| 63 | Y84 | CV1535 | 510 | | 0954 | | 241 | | | | | |
| 227 | Y61 | SURFACE | 1500 | | 0700 | | 311 | | | | | |
| 227 | Y62 | SURFACE | 5000 | | 0904 | | 42.5 | | | | | |
| 241 | Y63 | CV24245 | 1400 | | 0652 | | 388 | | | | | |
| 241 | Y64 | SURFACE | 2400 | | 0651 | | 1160 | | | | | |
| 240 | Y65 | SURFACE | 6000 | | 0654 | | 410 | | | | | |
| 240 | Y66 | SURFACE | 7000 | | 0654 | | 277 | | | | | |
| 246 | Y21 | SURFACE | 740 | | 0648 | | 347 | | | | | |
| 248 | Y22 | SURFACE | 580 | | 0645 | | 788 | | | | | |
| 239 | Y23 | PIPE | 636 | | 0656 | | 113 | | | | | |
| 55 | Y101 | CV 2707 | 1000 | | 0854 | | 30.4 | | | | | |
| 60 | Y102 | CV24102 | 6000 | | 0851 | | 64.8 | | | | | |
| 76 | Y103 | CV 2324 | 1000 | | 0900 | | 106 | | | | | |
| 37 | Y104 | H-168E | 2000 | | 0859 | | 67.3 | | | | | |
| 38 | Y105 | CV1703 | 1000 | | 0928 | | 245 | | | | | |
| 35 | Y106 | H 18015 | 700 | | 0926 | | 16.8 | | | | | |
| 51 | Y107 | WELL CV6 | 800 | | 0936 | | 319 | | | | | |
| 50 | Y108 | WELL CV8 | 800 | | 0938 | | 97.3 | | | | | |
| 57 | Y109 | WELL CV9 | 3000 | | 0933 | | 315 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: CHIQUITA

Page of Pages

| | | | |
|---|---|---|---|
| Quarter / Year: | 2ND QTR 2025 | 2ND QTR 2025 | |
| Technician: | STEPHEN BOECHER | D. HERNANDEZ | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 PPM | 500 PPM | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| S9 | Y121 | H21660 | 760 | 5-13-25 | 0756 | 6-13-25 | 117 | | | | | |
| S9 | Y122 | CV2411 | 1952 | | 0753 | | 188 | | | | | |
| 32 | Y123 | H21886 | 1521 | | 0754 | | 397 | | | | | |
| 33 | Y124 | CV24109 | 860 | | 0752 | | 341 | | | | | |
| 31 | Y125 | SURFACE | 1218 | | 0917 | | 710 | | | | | |
| 30 | Y126 | CV24191 | 970 | | 0915 | | 273 | | | | | |
| 84 | Y127 | H18045 | 4023 | | 0922 | | 631 | | | | | |
| 92 | Y128 | CV0009 | 890 | | 0940 | | 102 | | | | | |
| 92 | Y129 | SURFACE | 1232 | | 0940 | | 111 | | | | | |
| 93 | Y1 | WELL A1 | 1550 | | 1034 | | 276 | | | | | |
| 52 | Y2 | WELL A5 | 1573 | | 1032 | | 344 | | | | | |
| 21 | Y3 | WELL C5 | 2401 | | 1031 | | 416 | | | | | |
| 48 | Y4 | WELL C9 | 20770 | | 1028 | | 380 | | | | | |
| 48 | Y5 | SW GS1 | 1226 | | 1026 | | 318 | | | | | |
| 44 | Y6 | C-11 | 1835 | | 1025 | | 291 | | | | | |
| 64 | Y7 | C-12 | 2224 | | 1023 | | 470 | | | | | |
| 65 | Y8 | C-27 | 10150 | | 1022 | | 313 | | | | | |
| 65 | Y9 | C-15 | 10470 | | 1020 | | 433 | | | | | |
| 58 | Y10 | IC22 | 7768 | | 1011 | | 427 | | | | | |
| 71 | Y11 | C-23 | 10310 | | 1008 | | 412 | | | | | |
| 71 | Y12 | C-22 | 791 | | 1007 | | 316 | | | | | |
| | | | | | | | | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #6 SERIAL #: 0720723026

MONITORING DATE: 6-13-25 TIME: 0645

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.9 ppm | 2.9 ppm | 2.4 ppm |

Background Value = 2.4 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 501 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 5 |
| #3 | 501 ppm | 450 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 5.3 #DIV/0! Must be less than 30 seconds |

### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.65 ppm | 501 ppm | 1 |
| #2 | 0.61 ppm | 501 ppm | 1 |
| #3 | 0.63 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | #DIV/0! Must be less than 10% |

Performed By: D. Hamm Date/Time: 6-13-25 0645

# WIND SPEED & DIRECTION CHART ROLL

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | |
|---|---|---|
| Quarter / Year: | 2nd QTR/2025 | 2nd Qtr 12025 |
| Technician: | Stephen Isaacs | Jerry Munoz |
| Instrument: | TVA1000 | TVA 1000 |
| Calibration Standard: | 25ppm | 25 PPM |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 81 | 67.34 | 6-3-25 | | 6-12-25 | 24.30 | | | | | |
| 82 | 47.43 | ↓ | | ↓ | 20.60 | | | | | |
| 171 | 33.50 | ↓ | | ↓ | 24.30 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: #44 SERIAL # 121930900

MONITORING DATE: 6-12-25 TIME: 0800

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 7.15 ppm | 8.35 ppm | 7.75 ppm |

**Background Value = 7.75 ppm**

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.5 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

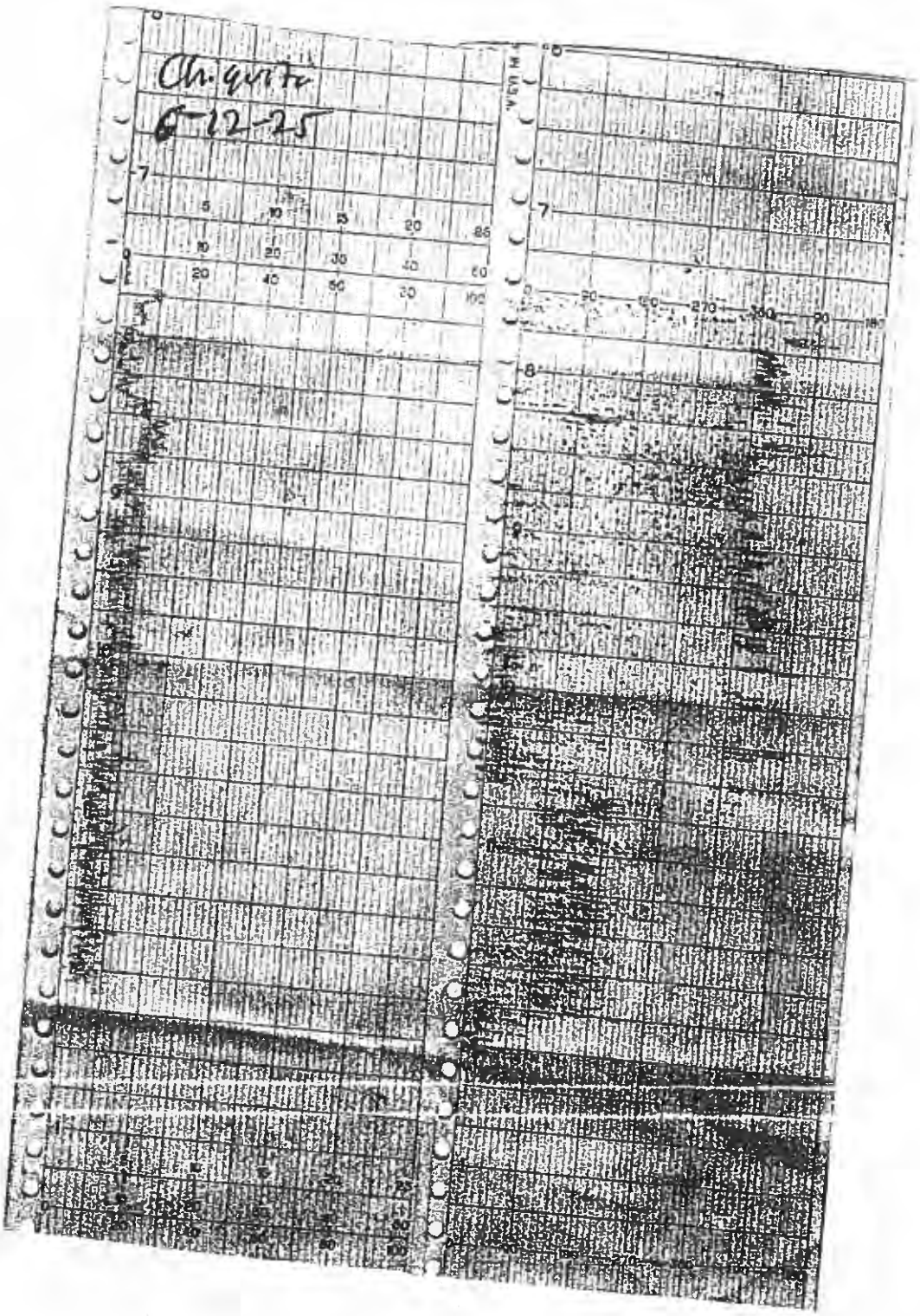
**CALIBRATION PRECISION RECORD**

**Calibration Gas Standard = 25 ppm**

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 1.0 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 1.8% #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time: 6-12-25 0800

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR/ 2025 | 2nd Qtr /2025 | |
| Technician: | Stephen Borchers | Jerry Munoz | |
| Instrument: | TVA1000 | TVA 1000 | |
| Calibration Standard: | 25ppm | 25 ppm | |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 216 | 40.00 | 6-11-25 | | 6-12-25 | 20.17 | | | | | |
| 99 | 33.45 | ↓ | | ↓ | 19.17 | | | | | |
| 89 | 25.49 | | | | 21.60 | | | | | |
| 217 | 31.23 | | | | 22.05 | | | | | |
| 215 | 58.40 | | | | 23.06 | | | | | |
| 214 | 28.42 | | | | 24.09 | | | | | |
| 159 | 74.76 | | | | 21.09 | | | | | |
| 155 | 64.20 | ↓ | | ↓ | 23.30 | | | | | |

RMS
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Chiquita. INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: #44 SERIAL #: 121930900

MONITORING DATE: 6-12-25 TIME: 0800

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25 ppm
3. Adjust meter settings to read 25 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 7.15 ppm | 8.35 ppm | 7.75 ppm |

Background Value = 7.75 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 24.1 ppm | 20 ppm | 6 |
| #2 | 25 ppm | 20 ppm | 8 |
| #3 | 24.5 ppm | 20 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

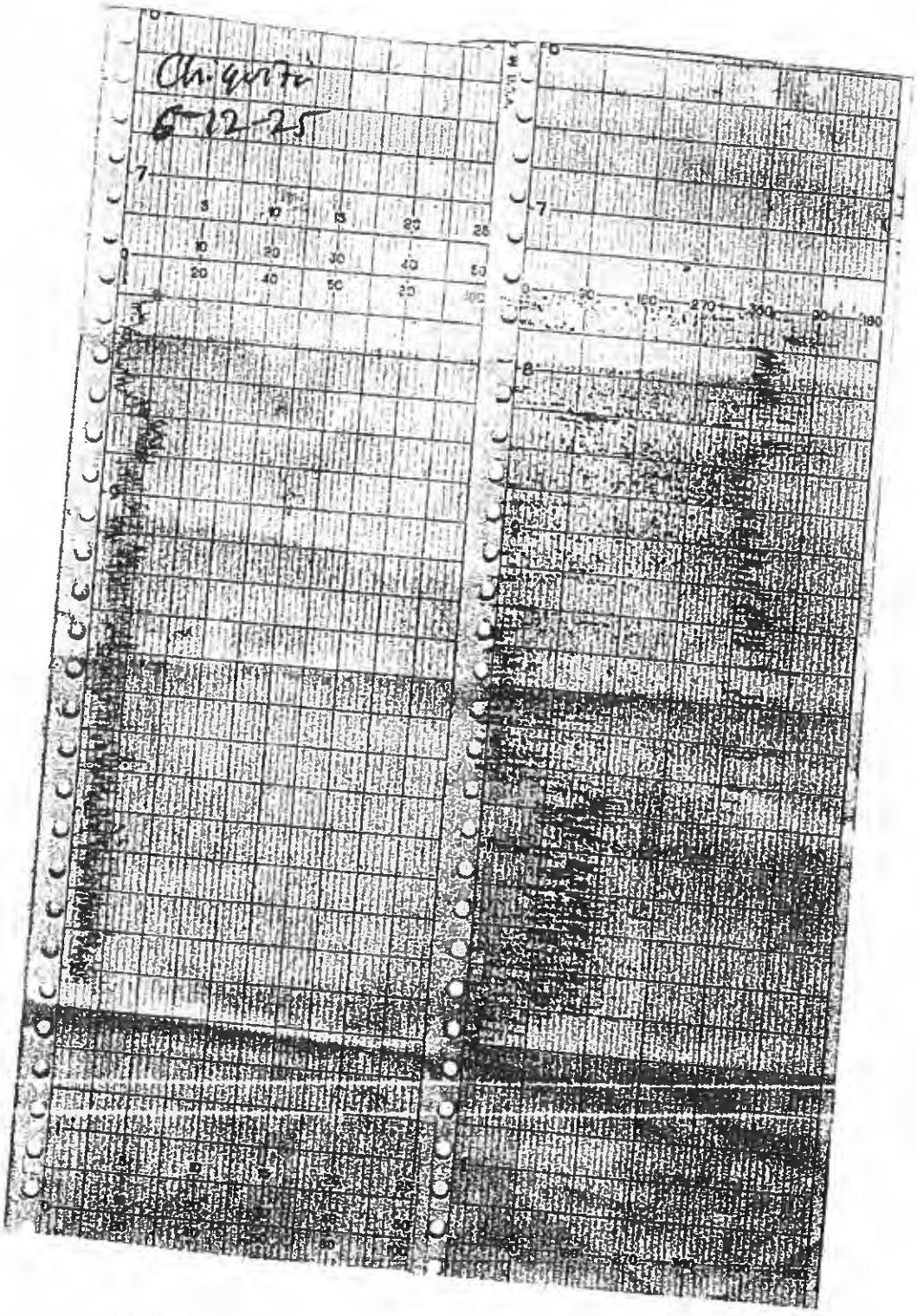
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 25 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 24.1 ppm | .9 |
| #2 | 1.0 ppm | 25 ppm | 0 |
| #3 | 0.0 ppm | 24.5 ppm | .5 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1 | | | 1.8% #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time: 6-12-25 0800

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: CHIQUITA

Page of Pages

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 2nd Qtr 2025 | | | | 2nd Qtr 2025 | | | | | | | | |
| Technician: | STEPHEN BONILLA | | | | JIMMY MUNOZ | | | | | | | | |
| Instrument: | TVA 1000 | | | | TVA 1000 | | | | | | | | |
| Calibration Standard: | 500 | | | | 500 PPM | | | | | | | | |
| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | | |
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | |
| 8 | Y21 | WELL 038 | 700 | 5-14-25 | 1120 | 6-12-25 | 320 | | | | | | |
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RES
Environmental

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 56 SERIAL #: 0915249395

MONITORING DATE: 6-12-25 TIME: 0735

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.45 ppm | 6.13 ppm | 5.79 ppm |

Background Value = 5.79 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 6 |
| #2 | 500 ppm | 450 ppm | 8 |
| #3 | 501 ppm | 450 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

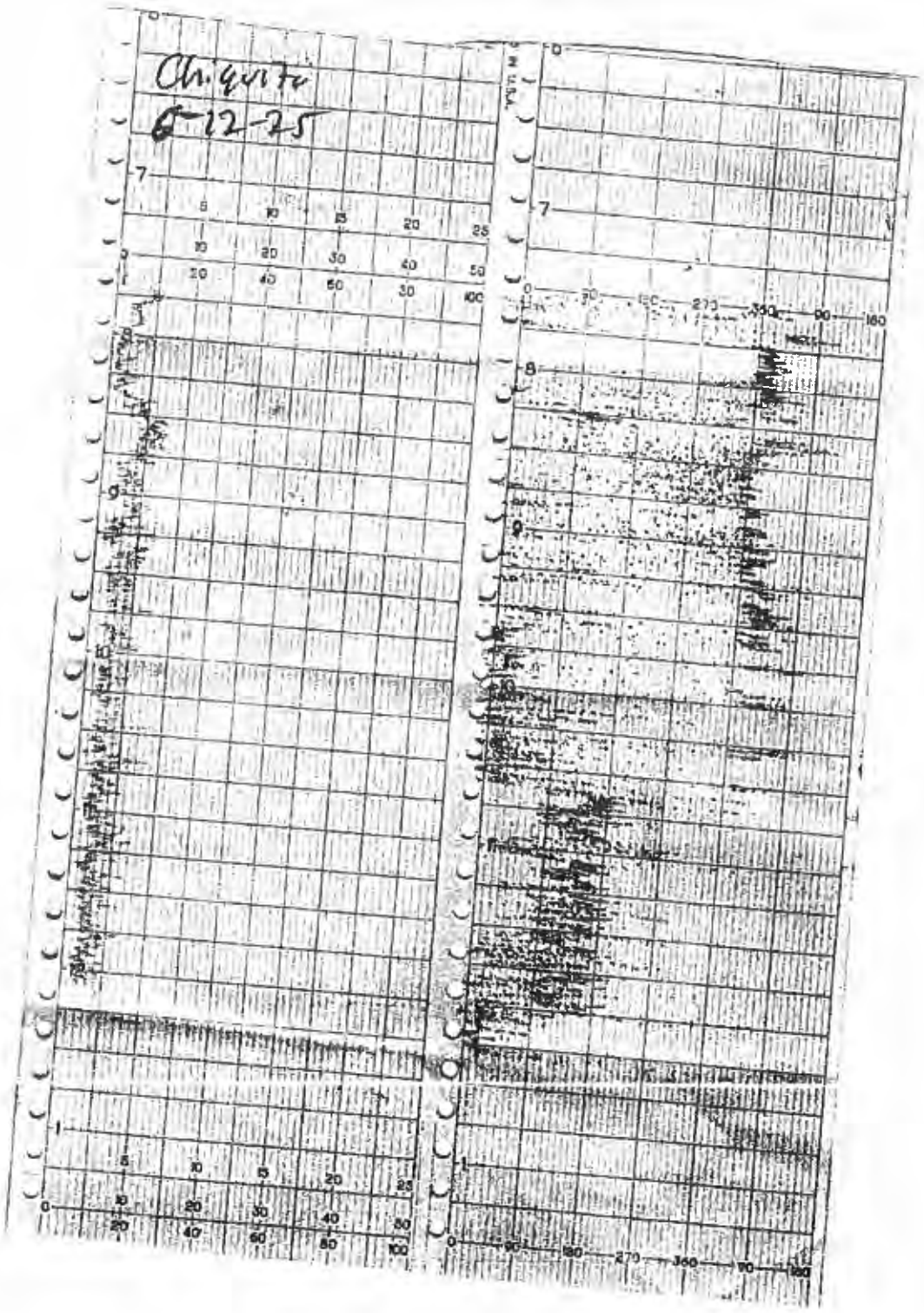
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 499 ppm | 1 |
| #2 | 1.0 ppm | 500 ppm | 0 |
| #3 | 0.0 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1) + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.13% #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time: 6-12-25 / 0735

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd Qtr | 2nd Qtr 2023 | |
| Technician: | Jerry Munoz | Jerry Munoz | |
| Instrument: | TVA-1000 | TVA-1000 | |
| Calibration Standard: | 500 PPM | 500 PPM | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 165 | Y100 | EW24114 | 702 | 6-5-23 | | 6-12-23 | 52.60 | | | | | |
| 160 | Y101 | well EW24104 | 564 | | | 1044 | 140.64 | | | | | |
| 160 | Y102 | well EW24038 | 994 | | | 1039 | 180.20 | | | | | |
| 89 | Y103 | well MW274B | 782 | | | 11:13 | 320 | | | | | |
| 88 | Y104 | well EW24106 | 516 | | | 1103 | 172.08 | | | | | |
| 194 | Y105 | well EW24116 | 906 | | | 11:15 | 94.01 | | | | | |
| 162 | Y140 | well EW24104 | 660 | | | 1045 | 52.27 | | | | | |
| 214 | Y141 | well MW-11-316 | 700 | | | 1047 | 101.34 | | | | | |
| 217 | Y60 | well EW24114 | 708 | | | 1110 | 55.34 | | | | | |
| 53 | Y120 | well MW504A | 728 | | | 10:23 | 131.23 | | | | | |
| 82 | Y121 | well EW-24054 | 560 | | | 10:58 | 168.30 | | | | | |
| 81 | Y123 | Surface | 1500 | | | 1126 | 240.61 | | | | | |
| 159 | Y122 | Surface | 1600 | | | 1058 | 260.51 | | | | | |
| 171 | Y40 | EW24060 | 900 | | | 1157 | 12.56 | | | | | |
| 170 | Y41 | well EW 230L | 8000 | | | 1158 | 100.00 | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 2nd Qtr | | | | 2nd Qtr 2025 | | | | Page 1 of 1 Pages | |
| Technician: | Jerry Munoz | | | | Jerry Munoz | | | | | |
| Instrument: | TVA-1000 | | | | TVA-1000 | | | | | |
| Calibration Standard: | 500 PPM | | | | 500 PPM | | | | | |
| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments | |
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored 1052 | Field Reading <200 ppm | Field Reading >200 ppm | | |
| 15E | D60 | Ram pos well | 359 | 6-5-25 | | 6-26-25 | 132 BD | | | |
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RES

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE Thermo

MODEL: TVA 1000 EQUIPMENT # 56 SERIAL # 0415249395

MONITORING DATE: 6-12-25 TIME: 0755

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.45 ppm | 6.13 ppm | 5.79 ppm |

Background Value = 5.79 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 6 |
| #2 | 500 ppm | 450 ppm | 8 |
| #3 | 501 ppm | 450 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

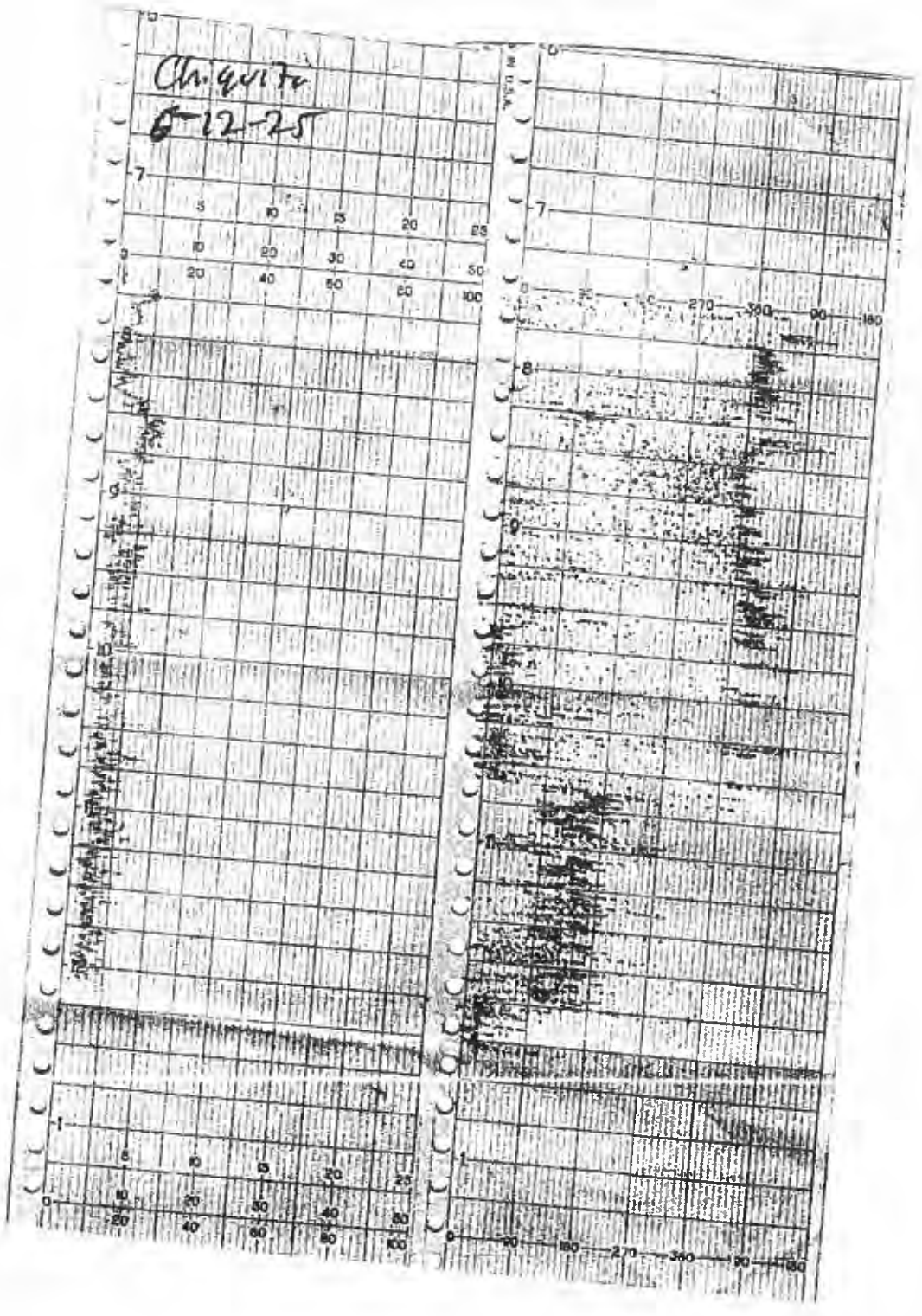
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 499 ppm | 1 |
| #2 | 1.0 ppm | 500 ppm | 0 |
| #3 | 0.0 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.13% #DIV/0! Must be less than 10% |

Performed By Stephen Burchess Date/Time 6-12-25 / 0755

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician | Stephen Borchers |
| Instrument | TVA 1000 |
| Calibration Standard | 500ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd <500 ppm | Excd >500 ppm |
| 166 | Y1 | H1505C | 1,546 | 6-17-25 | | | | | | | | |
| 166 | Y2 | CV24071 | 4,952 | | | | | | | | | |
| 166 | Y3 | CV24070 | 685 | | | | | | | | | |
| 166 | Y4 | CV24083 | 4,151 | | | | | | | | | |
| 166 | Y5 | CV24051 | 1,756 | | | | | | | | | |
| 159 | Y6 | H1952 | 8,451 | | | | | | | | | |
| 165 | Y81 | CV24164 | 505 | | | | | | | | | |
| 168 | Y82 | CV2416 | 1,800 | | | | | | | | | |
| 168 | Y83 | Surface | 1,500 | | | | | | | | | |
| 83 | Y84 | CV845 | 2,000 | | | | | | | | | |
| 172 | Y61 | CHIFP041 | 905 | | | | | | | | | |
| 152 | Y63 | CV2315 | 509 | | | | | | | | | |
| 147 | Y64 | CV24054 | 835 | | | | | | | | | |
| 171 | Y21 | 2302 | 6,462 | | | | | | | | | |
| 171 | Y22 | CV24060 | 641 | | | | | | | | | |
| 158 | Y23 | CV2472 | 5,025 | | | | | | | | | |
| 158 | Y24 | CV2473 | 4,098 | | | | | | | | | |
| 153 | Y25 | CV2463 | 704 | | | | | | | | | |
| 53 | Y26 | CV2319 | 640 | | | | | | | | | |
| 53 | Y27 | Surface | 2,404 | | | | | | | | | |
| 66 | Y28 | 2316A | 2,515 | | | | | | | | | |
| 170 | Y41 | 2450 | 602 | | | | | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | Page \ of \ Pages |
| Technician: | Stephen Simmons | | |
| Instrument: | TVA1000 | | |
| Calibration Standard: | 500ppm | | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 158 | B21 | CV 2328 | 403 | 6-17-25 | | | | | |
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6-17-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43435096 | -118.648298 | 2025-06-17T17:40:50Z | B21 | 403Ppm well Cv2328 |
| 2 | 34.43396003 | -118.648463 | 2025-06-17T18:12:57Z | Y1 | 1546Ppmgrd166 well1565c |
| 3 | 34.43404896 | -118.648438 | 2025-06-17T18:19:29Z | Y2 | 4962Ppmgrd166wellcv24071 |
| 4 | 34.43409003 | -118.649156 | 2025-06-17T17:24:42Z | Y21 | 6462Ppm well2302 |
| 5 | 34.43407 | -118.648742 | 2025-06-17T17:28:03Z | Y22 | 641Ppm well Cv24060 |
| 6 | 34.43422096 | -118.648012 | 2025-06-17T17:44:41Z | Y23 | 5025Ppm well cv2472 |
| 7 | 34.43446504 | -118.647622 | 2025-06-17T17:50:23Z | Y24 | 4098Ppm well Cv2473 |
| 8 | 34.43498304 | -118.647476 | 2025-06-17T17:57:27Z | Y25 | 704Ppm well Cv2463 |
| 9 | 34.43535 | -118.645761 | 2025-06-17T18:15:48Z | Y26 | 640Ppm well cv2319 |
| 10 | 34.43550398 | -118.645691 | 2025-06-17T18:20:33Z | Y27 | 2404Ppm surface |
| 11 | 34.43607403 | -118.646345 | 2025-06-17T18:23:27Z | Y28 | 2519Ppm well2316a |
| 12 | 34.43376004 | -118.648668 | 2025-06-17T18:29:18Z | Y3 | 665Ppmgrd166wellcv24070 |
| 13 | 34.43376498 | -118.648303 | 2025-06-17T18:39:14Z | Y4 | 4151Ppmgrd166wellcv24083 |
| 14 | 34.43375803 | -118.649945 | 2025-06-17T18:32:59Z | Y41 | Ppm602grid170well2450 |
| 15 | 34.43347799 | -118.648535 | 2025-06-17T18:42:50Z | Y5 | 1756Ppmgrd166wellcv24081 |
| 16 | 34.43386699 | -118.647589 | 2025-06-17T19:00:14Z | Y6 | 8952Ppmgrd159wellh1952 |
| 17 | 34.43405198 | -118.650595 | 2025-06-17T18:12:33Z | Y61 | Y61PPM905WEIICHIFP041 |
| 18 | 34.435494 | -118.647169 | 2025-06-17T18:49:25Z | Y63 | Y63PPM809WEIICV2315 |
| 19 | 34.43566198 | -118.647177 | 2025-06-17T19:12:34Z | Y64 | Y64PPM835WEIICV24054 |
| 20 | 34.433538 | -118.647926 | 2025-06-17T18:24:32Z | Y81 | 535-Ppm grid 165-well cv 24164 |
| 21 | 34.433279 | -118.647654 | 2025-06-17T18:39:42Z | Y82 | 1800Ppm grid 160-well cv2416 |
| 22 | 34.43342996 | -118.647436 | 2025-06-17T18:50:26Z | Y83 | 1500Ppm grid 160-surface |
| 23 | 34.43377404 | -118.646175 | 2025-06-17T19:24:06Z | Y84 | 2000Ppm grid 83-well cv84s |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon



| | |
|---|---|
| Quarter / Year: | 2nd QTR/2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 213 | 59.70 | 6-17-25 | | | | | | | | |
| 204 | 25.32 | ↓ | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician. | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 178 | Y21 | well CV24027 | 6000 | 5-27-25 | 0757 | 6-6-25 | 165 | | | | | |
| 178 | Y22 | well CV24020 | 2500 | | 0759 | | 182 | | | | | |
| 184 | Y23 | well CV2311 | 12100 | | 0802 | | 6.73 | | | | | |
| 194 | Y81 | well CV24116 | 745 | | 0926 | | 10.30 | | | | | |
| 99 | Y82 | Surface | 945 | | 0925 | | 20.83 | | | | | |
| 197 | Y83 | well CV24198 | 1210 | | 0917 | | 156 | | | | | |
| 149 | Y43 | well CV24153 | 800 | | 0906 | | 7.56 | | | | | |
| 81 | Y44 | well CV1428 | 935 | | 0907 | | 64.14 | | | | | |
| 82 | Y45 | well 24150 | 576 | | 0903 | | 81.73 | | | | | |
| 196 | Y58 | well CV24193 | 560 | | 0930 | | 10.15 | | | | | |
| 80 | Y61 | well 41 | 725 | | 0857 | | 15.62 | | | | | |
| 80 | Y62 | Valve 7A52 | 10690 | | 0852 | | 34.30 | | | | | |
| 79 | Y63 | well CV24147 | 2400 | | 0937 | | 45.32 | | | | | |
| 79 | Y64 | well CV 48R | 855 | | 0838 | | 31.10 | | | | | |
| 78 | Y65 | well 24122 | 2100 | | 0832 | | 176 | | | | | |
| 77 | Y66 | well CCNSMP01 | 1150 | | 0831 | | 17.82 | | | | | |
| 77 | Y67 | Steel Pipe | 10137 | | 0827 | | 31.22 | | | | | |
| 77 | Y68 | well CCNSMP02 | 10179 | | 0825 | | 8.77 | | | | | |
| 145 | Y69 | Steel Pipe | 30333 | | 0822 | | 8.69 | | | | | |
| 145 | Y70 | well CHKP006 | 1150 | | 0816 | | 16.32 | | | | | |
| 145 | Y71 | well CV24035 | 926 | | 0814 | | 11.14 | | | | | |
| 145 | Y72 | well CV24030 | 1635 | ✓ | 0812 | ✓ | 18.29 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR/2025 | 2nd QTR / 2025 | |
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500 | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 145 | Y73 | well CV2424 | 2,873 | 5-27-25 | 0810 | 6-6-25 | 20.19 | | | | | |
| 150 | Y74 | well 2415 | 1,825 | | 0808 | | 76.14 | | | | | |
| 150 | Y75 | well CV24028 | 1,016 | | 0806 | | 100 | | | | | |
| 150 | Y76 | well CV24022 | 3,184 | | 0804 | | 76.82 | | | | | |
| 150 | Y77 | well CV2206 | 50,650 | | 0753 | | 411 | | | | | |
| 150 | Y78 | well RAMP01 | 5,600 | | 0752 | | 44.32 | | | | | |
| 157 | Y79 | well CV2441 | 50,000 | | 0748 | | 10.34 | | | | | |
| 157 | Y80 | well CV2434 | 1,192 | | 0750 | | 14.72 | | | | | |
| 76 | Y101 | well CV1423 | 6,881 | | 0842 | | 8.10 | | | | | |
| 76 | Y102 | well CV1423 | 2,661 | | 0843 | | 7.62 | | | | | |
| 152 | Y103 | well PO25 | 1,850 | | 0732 | | 6.45 | | | | | |
| 157 | Y104 | well CV24046 | 6,250 | | 0733 | | 6.49 | | | | | |
| 157 | Y105 | well CV24038 | 50,142 | | 0743 | | 6.59 | | | | | |
| 172 | Y106 | well RAMSP04 | 2,065 | ↓ | 0745 | ↓ | 10.68 | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | Page 1 of 1 Pages |
|---|---|---|---|
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 194 | B81 | Surface | 365 | 5-27-25 | 0932 | 6-6-25 | 17.5 | | |
| 159 | B41 | well CV-24156 | 300 | | 0938 | | 64.32 | | |
| 165 | B50 | well CV-2408 | 250 | | 0934 | | 16.58 | | |
| 78 | B61 | Surface / Pipe | 265 | | 0834 | | 7.81 | | |
| 66 | B62 | well 23164 | 446 | ↓ | 0845 | ↓ | 10.54 | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 4 SERIAL #: 1035045571

MONITORING DATE: 6-6-25 TIME: 0710

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.46 ppm | 6.25 ppm | 5.85 ppm |

Background Value = 5.85 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 497 ppm | 450 ppm | 6 |
| #2 | 499 ppm | 450 ppm | 7 |
| #3 | 501 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

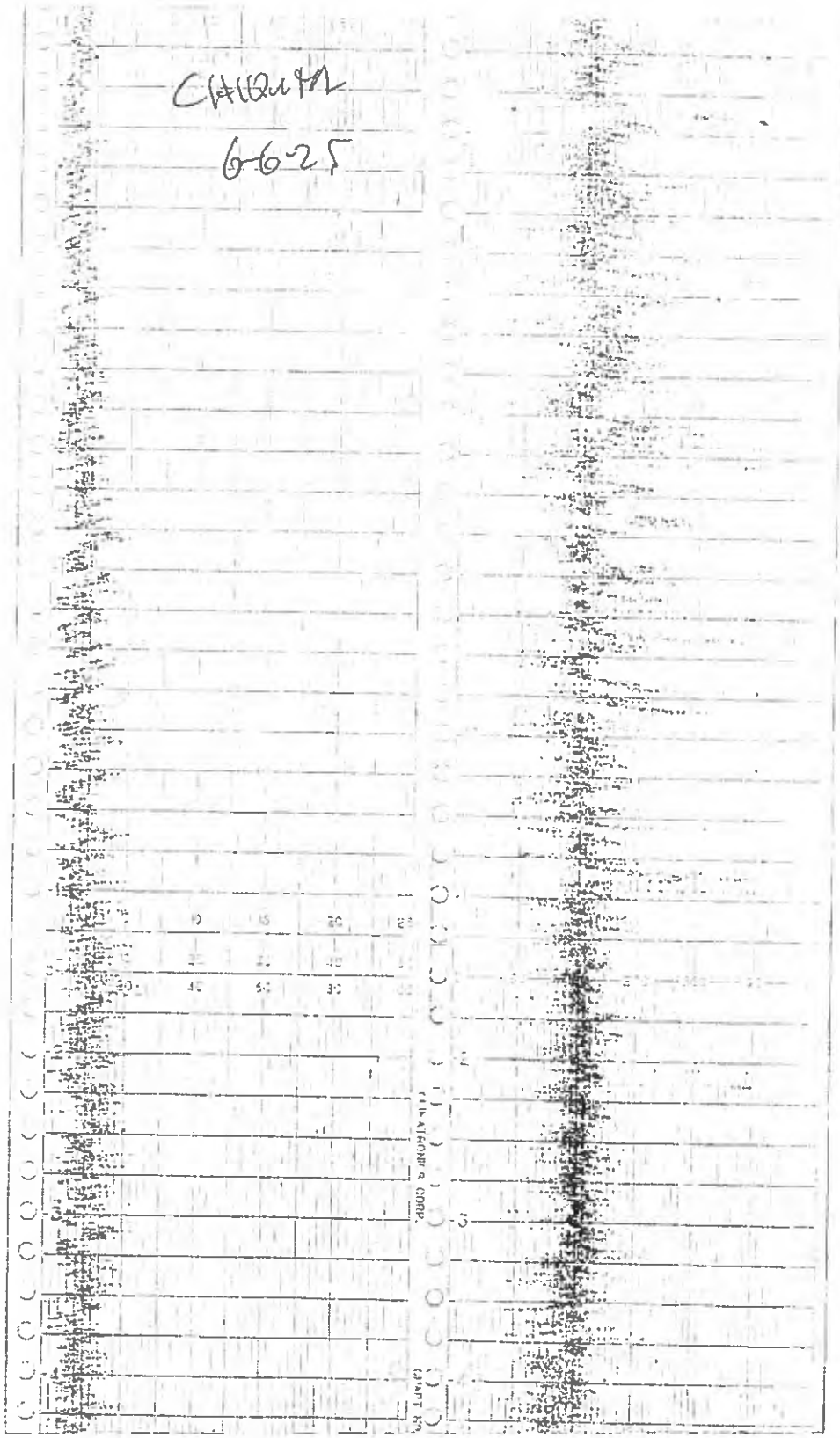
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.0 ppm | 497 ppm | 3 |
| #2 | 0.3 ppm | 499 ppm | 1 |
| #3 | 0.5 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.33% #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time: 6-6-25 / 0710

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

Page 1 of 1 Pages

| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 93 | Y1 | surface/pipe | 1,300 | 5-29-25 | 1015 | 6-6-25 | 186 | | | | | |
| 93 | Y2 | well A1 | 20,000 | | 1018 | | 154 | | | | | |
| 92 | Y3 | well A2 | 1,450 | | 1020 | | 198 | | | | | |
| 92 | Y4 | Pipe/cap | 1,180 | | 1022 | | 78.60 | | | | | |
| 92 | Y5 | Valve | 2,181 | | 1024 | | 59.64 | | | | | |
| 92 | Y6 | well A-5 | 3,361 | | 1027 | | 160 | | | | | |
| 21 | Y7 | well C-8 | 1,252 | | 1037 | | 380 | | | | | |
| 48 | Y8 | well C9 | 4,231 | | 1036 | | 65.60 | | | | | |
| 48 | Y9 | well C-10 | 2,281 | | 1039 | | 119 | | | | | |
| 45 | Y10 | wellSW115 | 620 | | 1040 | | 29.34 | | | | | |
| 44 | Y11 | well C-11 | 1,720 | | 1042 | | 268 | | | | | |
| 65 | Y12 | well C-27 | 1,890 | | 1045 | | 233 | | | | | |
| 65 | Y13 | well C-15 | 1,250 | | 1046 | | 195 | | | | | |
| 65 | Y14 | well C-26 | 20,000 | | 1047 | | 100 | | | | | |
| 58 | Y15 | well H-22 | 9,881 | | 1049 | | 64.86 | | | | | |
| 58 | Y16 | well C-25 | 1,410 | | 1050 | | 500 | | | | | |
| 58 | Y17 | well C-21 | 2,111 | | 1051 | | 65.76 | | | | | |
| 71 | Y18 | well C-23 | 30,110 | | 1052 | | 199 | | | | | |
| 71 | Y19 | well C-22 | 550 | ✓ | 1053 | ✓ | 51.61 | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | | | 2nd QTR / 2025 | | | | Page 1 of 1 Pages |
| Technician: | Stephen Borchers | | | | Stephen Borchers | | | | |
| Instrument: | TVA 1000 | | | | TVA 1000 | | | | |
| Calibration Standard: | 500 ppm | | | | 500 ppm | | | | |
| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 64 | B1 | well C12 | 290 | 5-24-25 | 1044 | 6-6-25 | 71.60 | | |
| 80 | B2 | well SW80 | 280 | ↓ | 1045 | ↓ | 57.80 | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TLA1000 EQUIPMENT #: 4 SERIAL #: 1035045571

MONITORING DATE: 6-6-25 TIME: 0710

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.46 ppm | 6.25 ppm | 5.85 ppm |

Background Value = 5.85 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 497 ppm | 450 ppm | 6 |
| #2 | 499 ppm | 450 ppm | 7 |
| #3 | 501 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

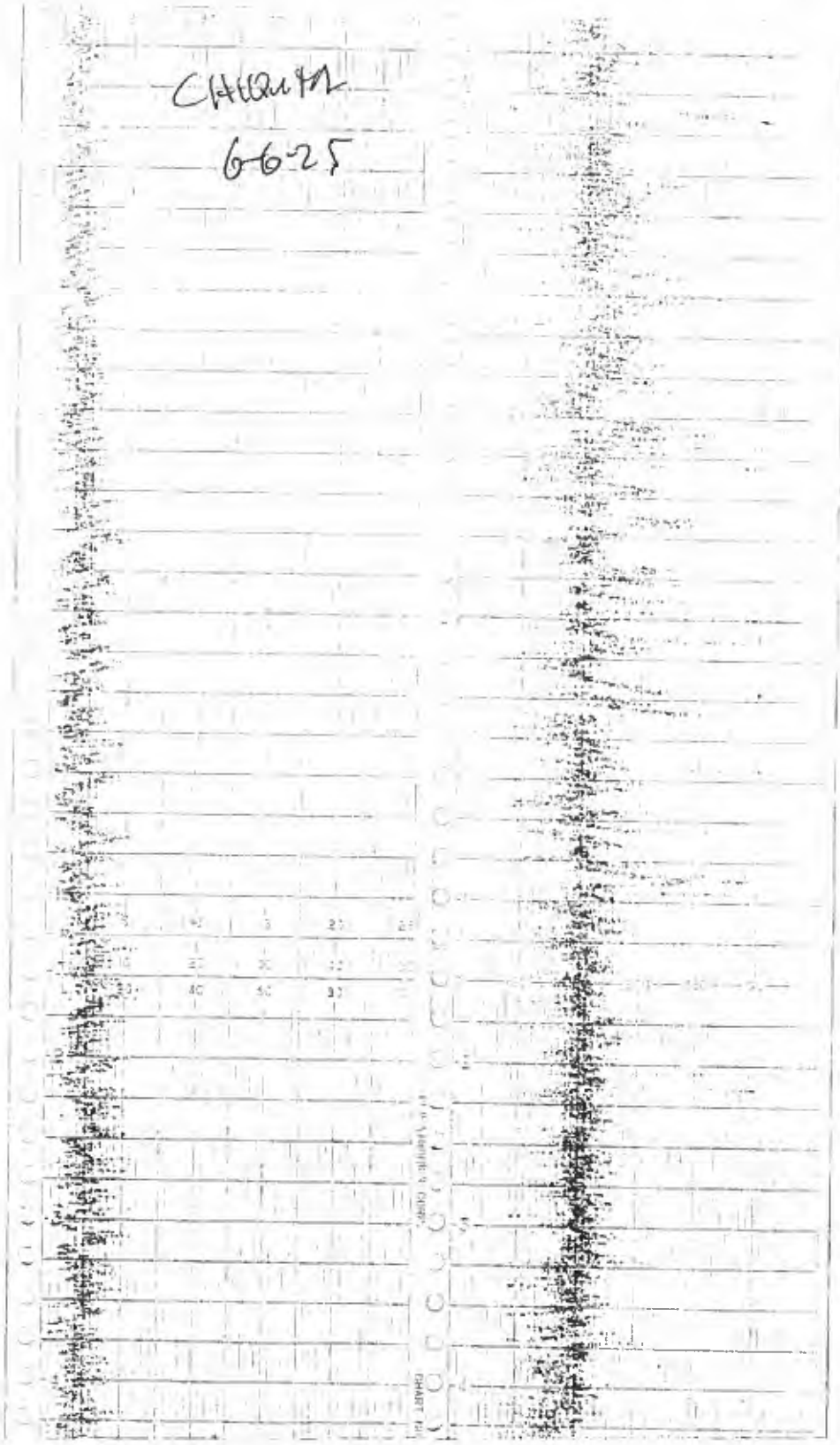
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.0 ppm | 497 ppm | 3 |
| #2 | 0.3 ppm | 499 ppm | 1 |
| #3 | 0.5 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.33% #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time: 6-6-25 / 0710

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | |
|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 |
| Technician | Stephen Borchers | Stephen Borchers |
| Instrument | TVA 1000 | TVA 1000 |
| Calibration Standard: | 500 ppm | 500 ppm |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd <500 ppm | Excd >500 ppm |
| 156 | Y41 | CV2201 | 20,562 | 5-28-25 | 1133 | 6-6-25 | 458 | | | | | |
| 156 | Y42 | RAMSP02 | 30,496 | | 1133 | | 269 | | | | | |
| 156 | Y43 | CV2403g | 60,410 | | 1134 | | 467 | | | | | |
| 177 | Y44 | Blowpipe/cap | 5,610 | | 1136 | | 263 | | | | | |
| 176 | Y45 | CHEFP031 | 10,460 | | 1138 | | 16.10 | | | | | |
| 174 | Y46 | CV23424 | 1,017 | | 1141 | | 149 | | | | | |
| 163 | Y47 | Blowpipe | 1,350 | | 1230 | | 310 | | | | | |
| 199 | Y48 | CV24193 | 2,128 | | 1253 | | 206 | | | | | |
| 214 | Y49 | H2163W | 2,050 | | 1258 | | 101 | | | | | |
| 214 | Y50 | H2161W | 1,048 | | 1300 | | 98.63 | | | | | |
| 215 | Y51 | H102A | 2,650 | | 1305 | | 140 | | | | | |
| 215 | Y52 | Blowpipe unmarked | 2,972 | | 1307 | | 209 | | | | | |
| 215 | Y53 | H103A | 2,335 | | 1311 | | 75.65 | | | | | |
| 36 | Y21 | CV24110 | 638 | | 1240 | | 78.92 | | | | | |
| 37 | Y22 | H2169E | 647 | | 1245 | | 198 | | | | | |
| 42 | Y23 | CV17015 | 793 | | 1249 | | 226 | | | | | |
| 73 | Y01 | CV24132 | 6,000 | | 1210 | | 136 | | | | | |
| 59 | Y02 | CV24111 | 3,800 | | 1158 | | 257 | | | | | |
| 54 | Y03 | H2166C | 2,800 | | 1159 | | 195 | | | | | |
| 60 | Y04 | CV24112 | 620 | | 1201 | | 205 | | | | | |
| 57 | Y05 | CV24213 | 2,400 | | 1217 | | 58.63 | | | | | |
| 63 | Y06 | CV535 | 7,000 | | 1225 | | 100 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician | Stephen Borchers | Stephen Borchers | |
| Instrument | TVA 1000 | TVA 1000 | |
| Calibration Standard | 500ppm | 500ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd >500 ppm |
| 58 | Y81 | surface | 500 | 5-28-25 | 1215 | 6-6-25 | 7.40 | | | | | |
| 65 | Y82 | surface | 505 | | 1320 | | 19.64 | | | | | |
| 64 | Y83 | well H29 | 580 | | 1325 | | 22.16 | | | | | |
| 44 | Y84 | surface | 800 | | 1332 | | 16.14 | | | | | |
| 45 | Y85 | surface | 806 | | 1335 | | 101 | | | | | |
| 46 | Y86 | P52-800 | 960 | | 1339 | | 210 | | | | | |
| 47 | Y88 | well 24119 | 582 | | 1343 | | 28.65 | | | | | |
| 52 | Y89 | well TD17 | 902 | | 1350 | | 69.42 | | | | | |
| 43 | Y90 | CV24212 | 508 | | 1359 | | 53.69 | | | | | |
| 51 | Y91 | surface | 935 | | 1353 | | 101 | | | | | |
| 92 | Y92 | CV009 | 985 | | 1409 | | 122 | | | | | |
| 97 | Y94 | surface | 500 | | 1402 | | 17.64 | | | | | |
| 94 | Y96 | surface | 560 | | 1413 | | 17.48 | | | | | |
| 97 | Y97 | HDPESPR902 | 500 | | 1417 | | 199 | | | | | |
| 95 | Y98 | well D6 | 530 | | 1422 | | 25.68 | | | | | |
| 215 | Y62 | surface | 3845 | | 1431 | | 159 | | | | | |
| 227 | Y63 | surface | 1475 | | 1434 | | 126 | | | | | |
| 227 | Y64 | surface | 1952 | | 1439 | | 154 | | | | | |
| 227 | Y65 | well N6d | 5264 | | 1442 | | 210 | | | | | |
| 228 | Y66 | CV21510 | 1870 | | 1449 | | 206 | | | | | |
| 231 | Y68 | surface | 600 | | 1453 | | 111 | | | | | |
| 231 | Y69 | DITCH51 | 593 | | 1454 | | 121 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chippewa Canyon Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR 2025 | 2nd QTR / 2025 | |
| Technician: | Stephen Bouchard | Stephen Bouchard | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 237 | Y 70 | CH4L303.1 | 5213 | 5-28-25 | C459 | 6-6-25 | 9:56 | | | | | |
| 232 | Y 71 | CH7306N | 500 | 〃 | 1503 | 〃 | 13:45 | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | Page / of / Pages |
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 227 | B61 | surface | 200 | 5-28-25 | 1525 | 6-6-25 | 116 | | |
| 229 | B67 | well NOID | 200 | ↓ | 1529 | ↓ | 92.68 | | |
| 223 | B69 | surface | 231 | | 1532 | | 48.59 | | |
| 33 | B21 | CV-1907 | 264 | | 1555 | | 62.19 | | |
| 40 | B23 | CV 2012 | 386 | | 1545 | | 103 | | |
| 42 | B22 | CV 17010 | 216 | ↓ | 1549 | ↓ | 122 | | |

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Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TLA1000 EQUIPMENT #: 4 SERIAL # 1035045571

MONITORING DATE: 6-6-25 TIME: 0710

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.46 ppm | 6.25 ppm | 5.85 ppm |

Background Value = 5.85 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 497 ppm | 450 ppm | 6 |
| #2 | 499 ppm | 450 ppm | 7 |
| #3 | 501 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

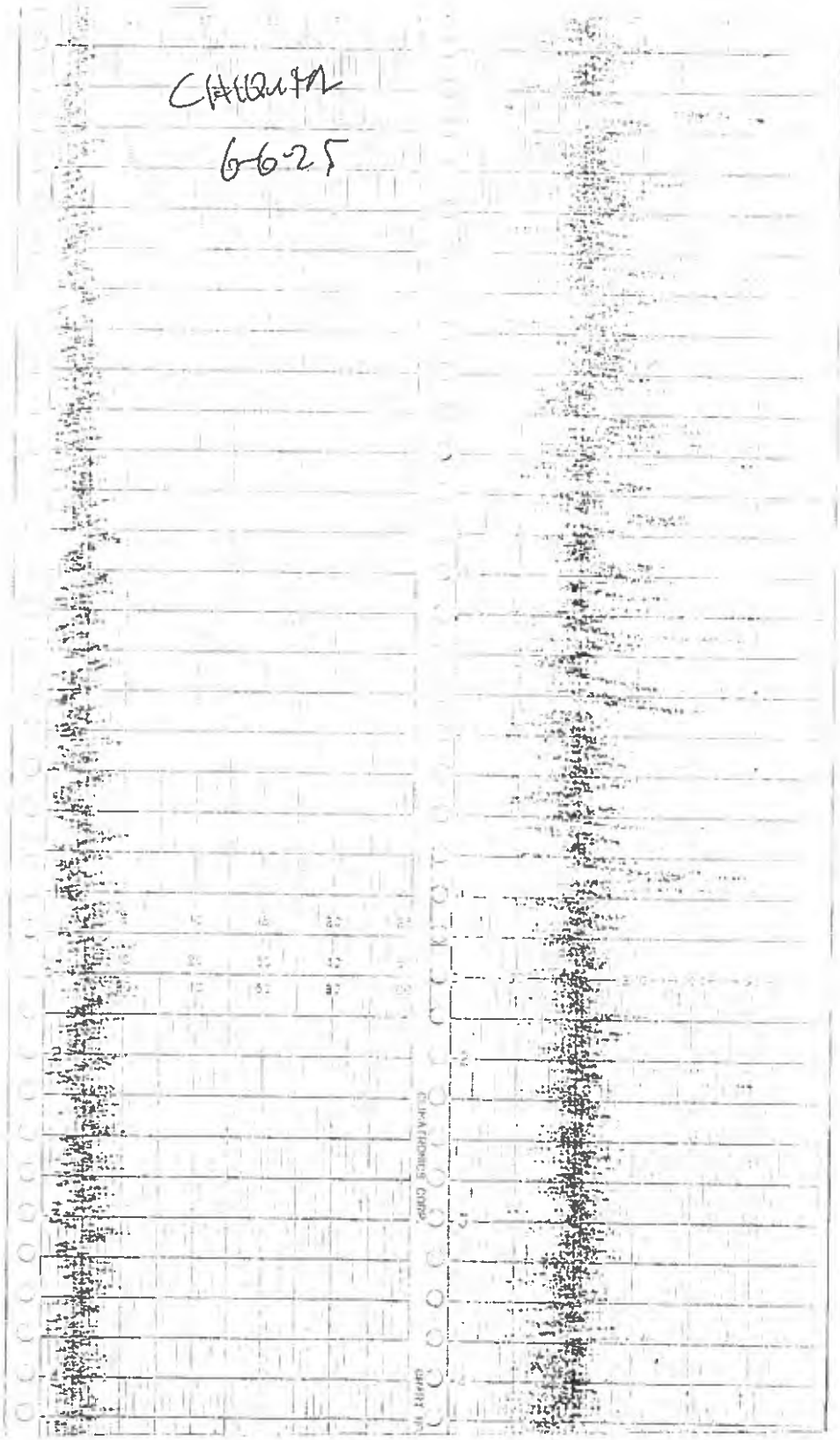
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.0 ppm | 497 ppm | 3 |
| #2 | 0.3 ppm | 499 ppm | 1 |
| #3 | 0.5 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.33% #DIV/0! Must be less than 10% |

Performed By: Stephen Barchers Date/Time 6-6-25 / 0710

# WIND SPEED & DIRECTION CHART ROLL



## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd >25 ppm |
| 201 | 26.78 | 6-23-25 | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita LandFill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Backhus |
| Instrument: | TVA1000 |
| Calibration Standard: | 25 ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd <25 ppm | Excd. >25 ppm |
| 87 | 47.75 | 6-25-25 | | | | | | | | |
| 91 | 39.37 | ↓ | | | | | | | | |
| 92 | 59.30 | | | | | | | | | |
| 239 | 30.40 | | | | | | | | | |
| 51 | 28.80 | | | | | | | | | |
| 52 | 27.00 | | | | | | | | | |
| 94 | 30.45 | | | | | | | | | |
| 33 | 27.60 | | | | | | | | | |

## Integrated Surface Sampling
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 225 | 25.12 | 6-24-25 | | | | | | | | |
| 244 | 38.53 | ↓ | | | | | | | | |
| 243 | 43.68 | | | | | | | | | |
| 242 | 32.31 | | | | | | | | | |
| 241 | 38.95 | | | | | | | | | |
| 145 | 80.49 | | | | | | | | | |
| 150 | 140 | | | | | | | | | |
| 80 | 68.13 | ↓ | | | | | | | | |

## Integrated Surface Sampling
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | |
|---|---|
| Quarter / Year: | 2nd QTR / 2025 |
| Technician: | Stephen Borchers |
| Instrument: | TVA1000 |
| Calibration Standard: | 25ppm |

| Initial Monitoring Event | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm | Remedial Work | Date Monitored | No Excd. <25 ppm | Excd. >25 ppm |
| 225 | 25.12 | 6-24-25 | | | | | | | | |
| 244 | 38.53 | ↓ | | | | | | | | |
| 243 | 43.68 | | | | | | | | | |
| 242 | 32.31 | | | | | | | | | |
| 241 | 38.95 | | | | | | | | | |
| 145 | 80.49 | | | | | | | | | |
| 150 | 140 | | | | | | | | | |
| 80 | 68.13 | ↓ | | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd Qtr / 2025 | 2nd Qtr / 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 94 | 4120 | surface | 896 | 5-22-25 | 0948 | 6-19-25 | 57.10 | | | | | |
| 216 | 4126 | well cap | 961 | | 0950 | | 25.80 | | | | | |
| 82 | 421 | well unmarked | 5,000 | | 1040 | | 59.64 | | | | | |
| 82 | 422 | well CV24094 | 1,200 | | 1041 | | 51.92 | | | | | |
| 197 | 423 | well H1771M | 800 | | 1041 | | 19.71 | | | | | |
| 154 | 424 | well unmarked | 3,000 | | 1014 | | 57.34 | | | | | |
| 157 | 425 | well CV74R | 5,000 | | 1015 | | 57.0 | | | | | |
| 159 | 426 | well CV2484 | 600 | | 1016 | | 35.60 | | | | | |
| 171 | 427 | well CV24060 | 6,000 | | 1017 | | 102 | | | | | |
| 161 | 428 | well H1565C | 1,200 | | 1018 | | 75.80 | | | | | |
| 173 | 429 | well CV24036 | 1500 | | 1044 | | 34.60 | | | | | |
| 173 | 430 | well RAMSP05 | 6,000 | | 1045 | | 51.10 | | | | | |
| 170 | 431 | well CV24043 | 525 | | 1046 | | 75.13 | | | | | |
| 78 | 461 | well CV24122 | 1500 | | 1102 | | 8.89 | | | | | |
| 78 | 462 | well CV24123 | 821 | | 1105 | | 9.97 | | | | | |
| 78 | 463 | surface | 1172 | | 1059 | | 11.98 | | | | | |
| 79 | 464 | well CV24147 | 7300 | | 1059 | | 12.63 | | | | | |
| 79 | 465 | well CV48R | 1020 | | 1058 | | 14.24 | | | | | |
| 80 | 466 | well H-1 | 1450 | | 1045 | | 70.52 | | | | | |
| 83 | 467 | well CV24160 | 3800 | | 1044 | | 58.22 | | | | | |
| 185 | 468 | well capped 21673 | 2600 | | 1039 | | 49.38 | | | | | |
| 185 | 469 | well unmarked | 2300 | ↓ | 1074 | ↓ | 71.50 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd qtr / 2025 | 2nd Qtr / 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 160 | 470 | well CV2489 | 2,300 | 6-19-25 | 1012 | 6-19-25 | 12.20 | | | | | |
| 165 | 471 | well CV2487 | 2181 | | 1010 | | 11.29 | | | | | |
| 165 | 472 | well capped H2277A | 1123 | | 1007 | | 59.6 | | | | | |
| 165 | 473 | well CV24079 | 28,000 | | 1008 | | 12.56 | | | | | |
| 208 | 474 | well CV2001 | 10,480 | | 1000 | | 12.62 | | | | | |
| 208 | 475 | steel pipe | 2591 | | 1001 | | 12.68 | | | | | |
| 178 | 41 | CV2308 | 500 | | 1035 | | 21.16 | | | | | |
| 146 | 46 | CV2484 | 500 | | 1036 | | 28.42 | | | | | |

RES

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME Chiquita INSTRUMENT MAKE Thermo

MODEL TVA1000 EQUIPMENT # 32 SERIAL # 0929535423

MONITORING DATE 6-19-25 TIME 0715

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.75 ppm | 6.38 ppm | 6.06 ppm |

**Background Value =** 6.06 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 498 ppm | 450 ppm | 6 |
| #2 | 499 ppm | 450 ppm | 7 |
| #3 | 501 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

### CALIBRATION PRECISION RECORD

**Calibration Gas Standard =** 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.2 ppm | 498 ppm | 2 |
| #2 | 0.3 ppm | 499 ppm | 1 |
| #3 | 0.1 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.26% #DIV/0! Must be less than 10% |

Performed By Stephen Bowles Date/Time 6-19-25 / 0715

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## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL TVA1000 EQUIPMENT #: 43 SERIAL # 15865062

MONITORING DATE: 6-19-25 TIME: 0715

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.95 ppm | 6.42 ppm | 6.18 ppm |

Background Value = 6.18 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 6 |
| #2 | 500 ppm | 450 ppm | 7 |
| #3 | 503 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

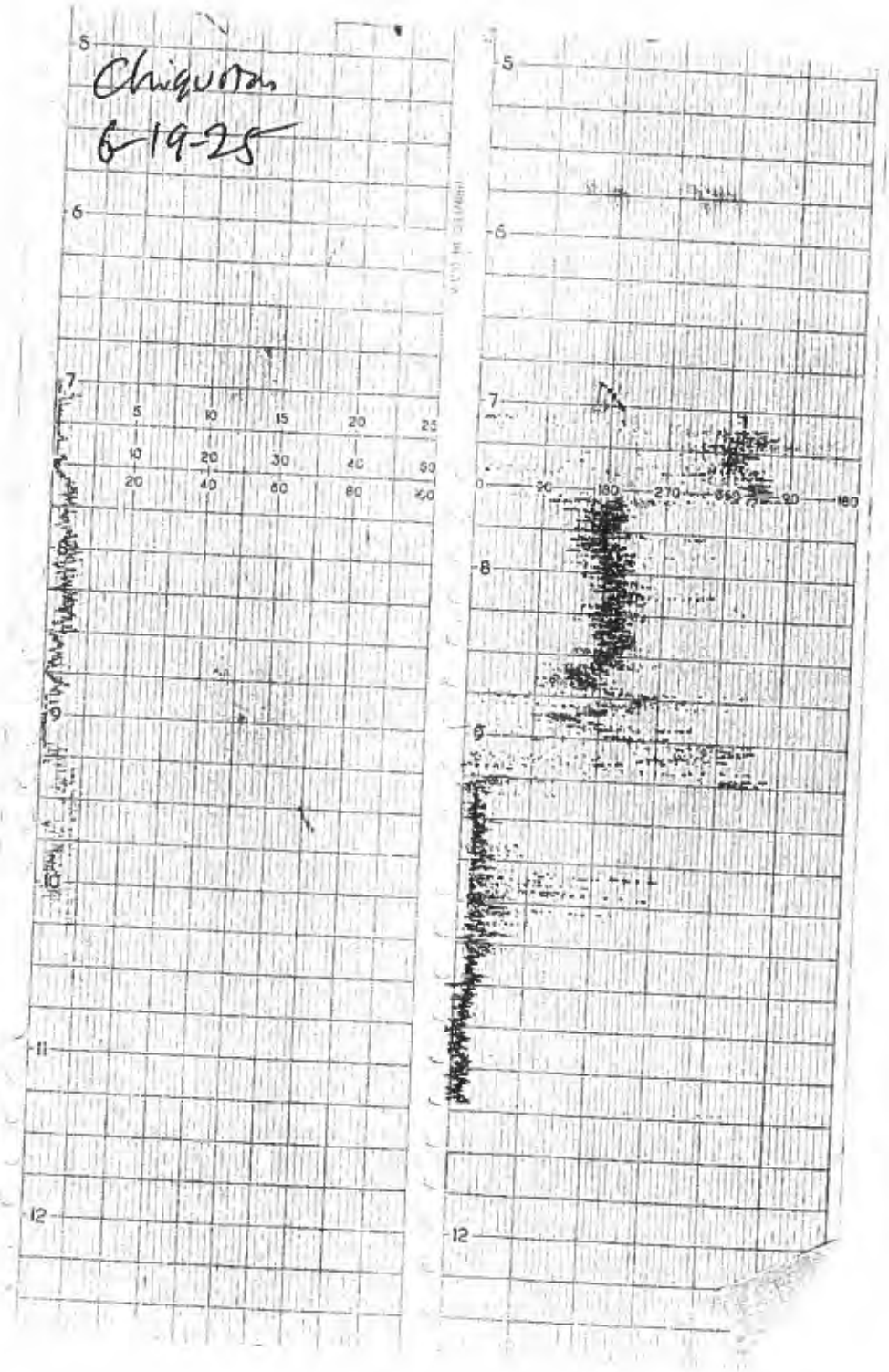
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 499 ppm | 1 |
| #2 | 0.3 ppm | 500 ppm | 0 |
| #3 | 0.5 ppm | 503 ppm | 3 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.26% #DIV/0! Must be less than 10% |

Performed By Stephen Barclay Date/Time 6-19-25 / 0715

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd Qtr /2025 | 2nd Qtr / 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | D Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 178 | 421 | well CV24027 | 6,000 | 5-27-25 | 0954 | 6-25-25 | 332 | | | | | |
| 178 | 422 | well CV24020 | 2,500 | | 0939 | | 17.9 | | | | | |
| 184 | 423 | well CV2311 | 1,200 | | 0942 | | 32.4 | | | | | |
| 194 | 481 | well CV24116 | 745 | | 0755 | | 21.3 | | | | | |
| 99 | 482 | Surface | 945 | | 0738 | | 137 | | | | | |
| 197 | 483 | well CV24198 | 1210 | | 0759 | | 26.2 | | | | | |
| 149 | 443 | well CV24153 | 0800 | | 0849 | | 55.4 | | | | | |
| 81 | 444 | well CV1428 | 735 | | 0852 | | 97.4 | | | | | |
| 82 | 445 | well 24150 | 576 | | 0850 | | 103 | | | | | |
| 196 | 458 | well CV24193 | 560 | | 0843 | | 44.6 | | | | | |
| 80 | 461 | well #1 | 725 | | 0744 | | 78.1 | | | | | |
| 80 | 462 | valve 2A525 | 10,690 | | 0745 | | 247 | | | | | |
| 79 | 463 | well CV24147 | 2400 | | 0749 | | 63.1 | | | | | |
| 79 | 464 | well CV 4BR | 855 | | 0751 | | 25.6 | | | | | |
| 78 | 465 | well 24122 | 2100 | | 1006 | | 97.4 | | | | | |
| 77 | 466 | well CCANSMP01 | 1150 | | 1007 | | 476 | | | | | |
| 77 | 467 | steel pipe | 10137 | | 1011 | | 80.1 | | | | | |
| 77 | 468 | well CCNSMP02 | 10179 | | 1012 | | 78.6 | | | | | |
| 145 | 469 | steel pipe | 30,333 | | 1014 | | 37.4 | | | | | |
| 145 | 470 | well CHSP006 | 1150 | | 1020 | | 202 | | | | | |
| 145 | 471 | well CV24035 | 926 | | 1019 | | 139 | | | | | |
| 145 | 472 | well CCV24030 | 1635 | ↓ | 1016 | ↓ | 113 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd Qtr / 2025 | 2nd Qtr / 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | D. Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 145 | 473 | well CV2424 | 2,873 | 5-27-25 | 1027 | 6-25-25 | 19.1 | | | | | |
| 150 | 474 | well 2415 | 1,825 | | 1029 | | 412 | | | | | |
| 150 | 475 | well CV24028 | 1,016 | | 0949 | | 406 | | | | | |
| 150 | 476 | well CV24022 | 3,184 | | 0946 | | 486 | | | | | |
| 150 | 477 | well CV2206 | 50,650 | | 0951 | | 42.6 | | | | | |
| 150 | 478 | well RAMSP01 | 5,600 | | 0952 | | 67.1 | | | | | |
| 151 | 479 | well CV2441 | 50,000 | | 1000 | | 28.9 | | | | | |
| 151 | 480 | well CV24134 | 1,192 | | 0957 | | 484 | | | | | |
| 76 | 4101 | well CV1423 | 6,881 | | 0907 | | 58.9 | | | | | |
| 76 | 4102 | well CV1423 | 2,661 | | 0908 | | 113 | | | | | |
| 152 | 4103 | well P025 | 1,850 | | 0917 | | 12.3 | | | | | |
| 157 | 4104 | well CV24046 | 6,250 | | 0918 | | 14.9 | | | | | |
| 157 | 4105 | well CV24038 | 50,142 | | 0920 | | 64.8 | | | | | |
| 172 | 4106 | well RAMSP04 | 2,065 | | 0921 | | 450 | | | | | |
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RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 44 SERIAL #: 171930 90

MONITORING DATE: 6-25-25 TIME: 0900

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.5 ppm | 2.9 ppm | 2.2 ppm |

Background Value = 2.2 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 501 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 6 |
| #3 | 500 ppm | 450 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 5.6 #DIV/0! Must be less than 30 seconds |

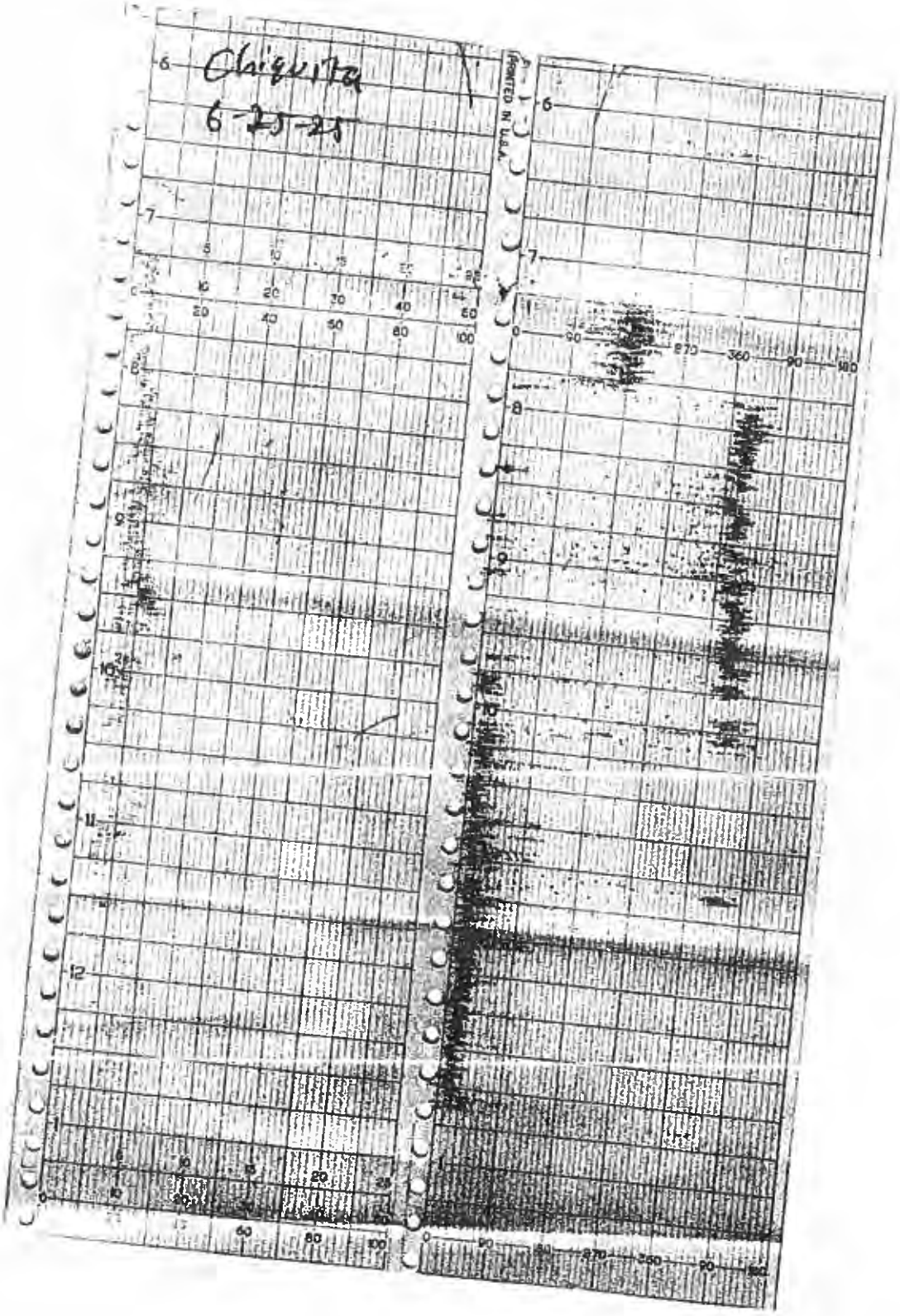
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.69 ppm | 501 ppm | 1 |
| #2 | 0.65 ppm | 501 ppm | 1 |
| #3 | 0.61 ppm | 500 ppm | 0 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.1 #DIV/0! Must be less than 10% |

Performed By: D. Hemmer Date/Time: 6-25-25 0700

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

**Site:** Chiquita Landfill



| | | | |
|---|---|---|---|
| **Quarter / Year:** | 2nd Qtr/2025 | 2nd Qtr / 2025 | |
| **Technician:** | Stephen Borchers | D Hernandez | |
| **Instrument:** | TVA 1000 | TVA 1000 | |
| **Calibration Standard:** | 500 PPM | 500 PPM | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 93 | 41 | surface/pipe | 1,300 | 5-29-25 | 0714 | 6-25-25 | 450 | | | | | |
| 93 | 42 | well A1 | 20,000 | | 0715 | | 160 | | | | | |
| 92 | 43 | well A2 | 1,450 | | 0717 | | 76.7 | | | | | |
| 92 | 44 | Pipe/Cap | 1,180 | | 0722 | | 475 | | | | | |
| 92 | 45 | valve | 2,181 | | 0723 | | 480 | | | | | |
| 92 | 46 | well A-5 | 3,361 | | 0726 | | 377 | | | | | |
| 21 | 47 | well C-8 | 1,352 | | 0728 | | 410 | | | | | |
| 48 | 48 | well C9 | 4,231 | | 0730 | | 260 | | | | | |
| 48 | 49 | well C-10 | 2,281 | | 0731 | | 147 | | | | | |
| 45 | 410 | well SW 115 | 620 | | 0732 | | 277 | | | | | |
| 44 | 411 | well C-11 | 1,720 | | 0735 | | 363 | | | | | |
| 65 | 412 | well C-27 | 1,890 | | 0737 | | 411 | | | | | |
| 65 | 413 | well C-15 | 1,250 | | 0737 | | 425 | | | | | |
| 65 | 414 | well C-26 | 20,000 | | 0739 | | 390 | | | | | |
| 58 | 415 | well H-22 | 9,881 | | 0740 | | 313 | | | | | |
| 58 | 416 | well C-25 | 1,410 | | 0741 | | 281 | | | | | |
| 58 | 417 | well C-21 | 2,111 | | 0741 | | 299 | | | | | |
| 71 | 418 | well C-23 | 30,110 | | 0742 | | 219 | | | | | |
| 71 | 419 | well C-22 | 550 | | 0743 | | 42.4 | | | | | |
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RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA-1000 EQUIPMENT #: 44 SERIAL #: 171930 90

MONITORING DATE: 6-25-25 TIME: 0900

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.5 ppm | 2.9 ppm | 2.2 ppm |

Background Value = 2.2 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 501 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 6 |
| #3 | 500 ppm | 450 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 5.6 #DIV/0! Must be less than 30 seconds |

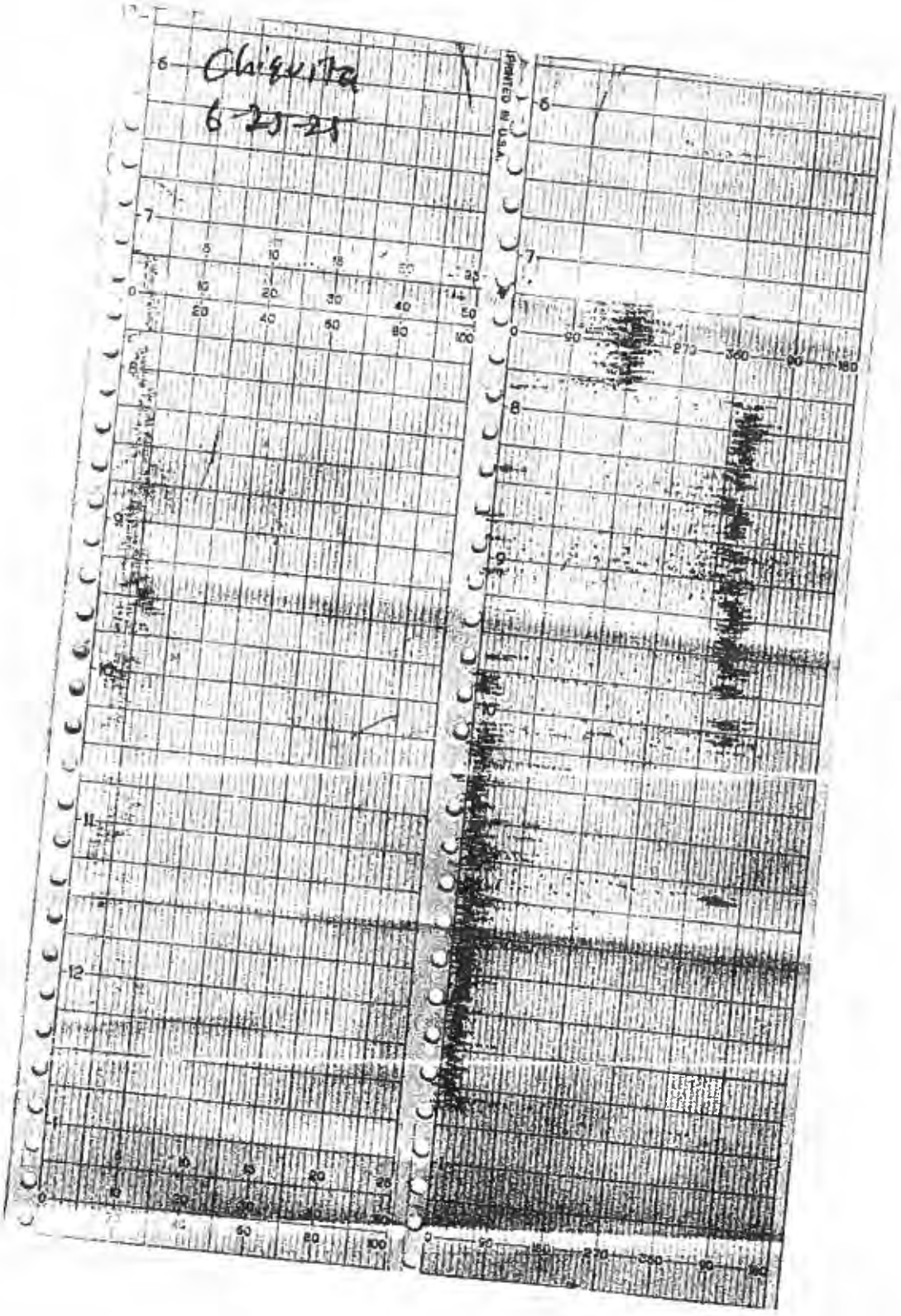
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.69 ppm | 501 ppm | 1 |
| #2 | 0.65 ppm | 501 ppm | 1 |
| #3 | 0.61 ppm | 500 ppm | 0 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.1 #DIV/0! Must be less than 10% |

Performed By: D. Hammer Date/Time: 6-25-25 0700

# WIND SPEED & DIRECTION CHART ROLL



# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd Qtr / 2025 | 2nd Qtr / 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | D Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 PPM | 500 PPM | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 156 | 441 | CV2201 | 20,562 | 5-28-25 | 0936 | 6-25-25 | 27.8 | | | | | |
| 156 | 442 | RAMS D02 | 30,999 | | 0935 | | 471 | | | | | |
| 156 | 443 | CV24039 | 60,410 | | 0934 | | 18.9 | | | | | |
| 177 | 444 | Blackpipe/capped | 5,610 | | 0927 | | 430 | | | | | |
| 176 | 445 | CHIFP031 | 10,460 | | 0931 | | 385 | | | | | |
| 174 | 446 | CV2342A | 1,017 | | 1037 | | 323 | | | | | |
| 163 | 447 | Black Pipe | 1,350 | | 1041 | | 377 | | | | | |
| 199 | 448 | CV24193 | 2,128 | | 0840 | | 167 | | | | | |
| 214 | 449 | H2163W | 2,050 | | 1050 | | 237 | | | | | |
| 214 | 450 | H2161W | 1,048 | | 1052 | | 190 | | | | | |
| 215 | 451 | H102A | 2,650 | | 1056 | | 166 | | | | | |
| 215 | 452 | Black pipe unmarked | 2,972 | | 1058 | | 193 | | | | | |
| 215 | 453 | H103A | 2,335 | | 1055 | | 111 | | | | | |
| 36 | 421 | CV24110 | 638 | | 0859 | | 73.8 | | | | | |
| 37 | 422 | H2169E | 697 | | 0900 | | 39.1 | | | | | |
| 42 | 423 | CV17015 | 793 | | 0836 | | 184 | | | | | |
| 73 | 401 | CV24132 | 6,000 | | 0753 | | 77.8 | | | | | |
| 59 | 402 | CV24111 | 3,800 | | 0855 | | 488 | | | | | |
| 54 | 403 | H2166C | 2,800 | | 0857 | | 120 | | | | | |
| 60 | 404 | CV24112 | 620 | | 0904 | | 146 | | | | | |
| 57 | 405 | CV24213 | 2,400 | | 0828 | | 389 | | | | | |
| 63 | 406 | CV535 | 7,000 | | 0834 | | 480 | | | | | |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| Quarter / Year: | 2nd Qtr / 2025 | 2nd Qtr / 2025 | |
|---|---|---|---|
| Technician: | Stephen Borchers | D. Hernandez | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 PPM | 500 PPM | |

| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 58 | 481 | surface | 500 | 5-28-25 | 0804 | 6-23-25 | 90.7 | | | | | |
| 65 | 482 | surface | 505 | | 0811 | | 231 | | | | | |
| 64 | 483 | well H29 | 580 | | 0846 | | 66.2 | | | | | |
| 44 | 484 | surface | 800 | | 0803 | | 64.2 | | | | | |
| 45 | 485 | surface | 806 | | 0802 | | 117 | | | | | |
| 46 | 486 | P52-800 | 960 | | 0804 | | 40.2 | | | | | |
| 47 | 488 | well 24119 | 582 | | 0805 | | 72.3 | | | | | |
| 52 | 489 | well TD17 | 902 | | 0824 | | 62.1 | | | | | |
| 43 | 490 | CU 24212 | 508 | | 0806 | | 143 | | | | | |
| 51 | 491 | surface | 935 | | 0823 | | 130 | | | | | |
| 92 | 492 | CU 009 | 885 | | 0819 | | 116.9 | | | | | |
| 87 | 494 | surface | 500 | | 0818 | | 80.6 | | | | | |
| 94 | 496 | surface | 560 | | 0816 | | 13.3 | | | | | |
| 97 | 497 | HOPESPRG02 | 2500 | | 0813 | | 402 | | | | | |
| 95 | 498 | well D6 | 530 | | 0711 | | 64.7 | | | | | |
| 215 | 462 | surface | 3845 | | 0700 | | 110 | | | | | |
| 227 | 463 | surface | 1475 | | 0700 | | 103 | | | | | |
| 227 | 464 | surface | 1952 | | 0700 | | 54.6 | | | | | |
| 227 | 465 | well N01d | 5264 | | 0700 | | 49.1 | | | | | |
| 228 | 466 | CUCU2510 | 1820 | | 0703 | | 17.3 | | | | | |
| 231 | 468 | surface | 600 | | 0706 | | 33.7 | | | | | |
| 231 | 469 | BHGB1 | 7593 | | 0707 | | 11.0 | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 30 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | | | 2nd Qtr / 2025 | | 2nd Qtr / 2025 | | | | | | | |
| Technician: | | | Stephen Borchers | | D. Hernandez | | | | | | | |
| Instrument: | | | TVA 1000 | | TVA 1000 | | | | | | | |
| Calibration Standard: | | | 500 PPM | | 500 PPM | | | | | | | |
| Initial Monitoring Event | | | | | 30 Day Re-Monitoring Event | | | | First Re-Monitoring Event – 10 Days | | | |
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 232 | 470 | CH#2303N | 5213 | 5-28-25 | 0707 | 6-25-25 | 125 | | | | | |
| 232 | 471 | #2306N | 506 | ↓ | 0709 | ↓ | 34.4 | | | | | |

RES Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: CHIQUITA INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 44 SERIAL #: 171930 90

MONITORING DATE: 6-25-25 TIME: 0700

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 1.5 ppm | 2.9 ppm | 2.2 ppm |

Background Value = 2.2 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 501 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 6 |
| #3 | 500 ppm | 450 ppm | 5 |
| Calculate Response Time (1+2+3) / 3 | | | 5.6 #DIV/0! Must be less than 30 seconds |

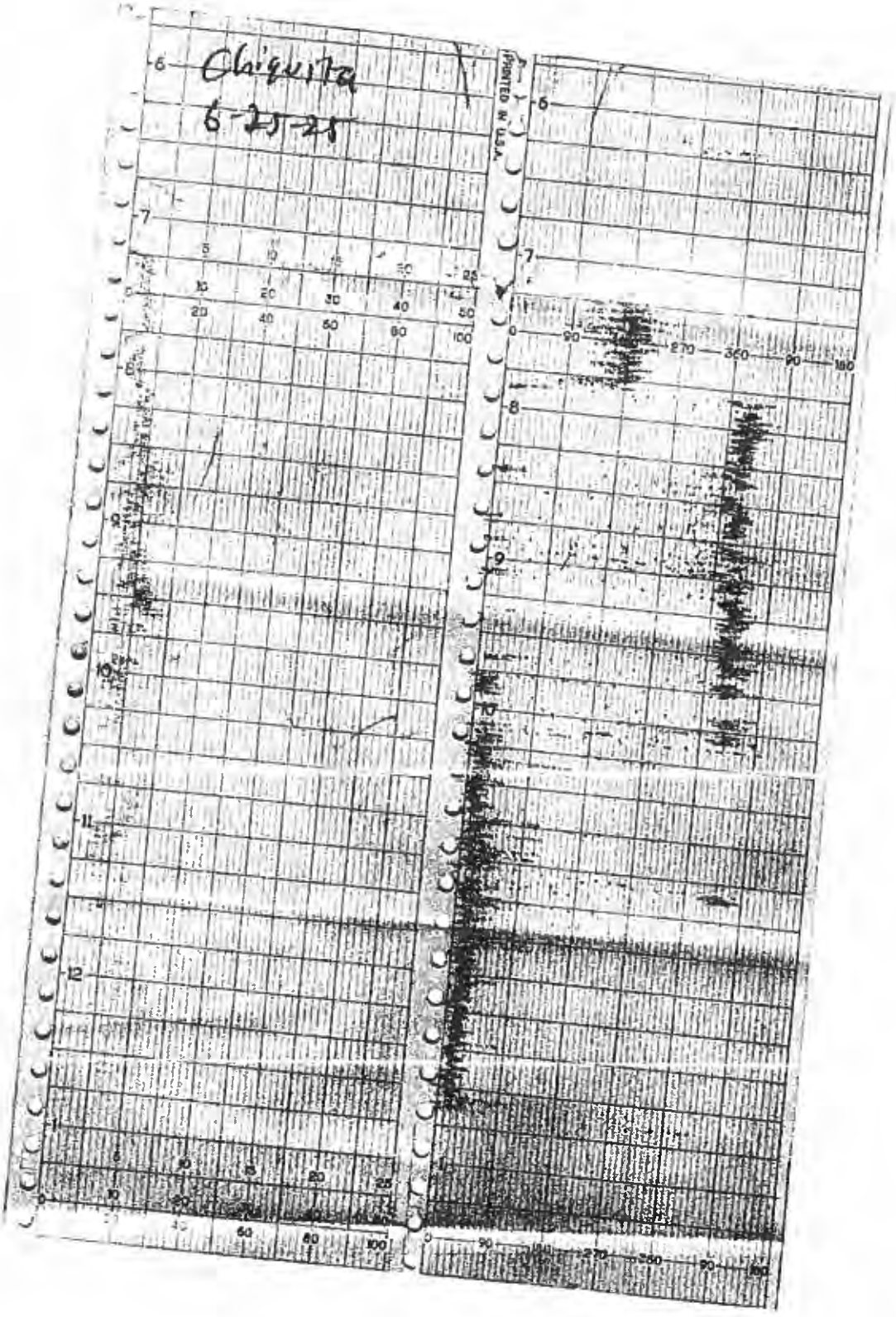
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.69 ppm | 501 ppm | 1 |
| #2 | 0.65 ppm | 501 ppm | 1 |
| #3 | 0.61 ppm | 500 ppm | 0 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.1 #DIV/0! Must be less than 10% |

Performed By: D. Hemmer Date/Time: 6-25-25 0700

# WIND SPEED & DIRECTION CHART ROLL



## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician | Stephen Borchers | Stephen Borchers | |
| Instrument | TLV1000 | TLV1000 | |
| Calibration Standard: | 500ppm | 500ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Time | Date Monitored | No Exed. <500 ppm | Exed. >500 ppm | Remedial Work | Date Monitored | No Exed. <500 ppm | Exed. >500 ppm |
| P | Y161 | well cap | 564 | 6-12-25 | 0905 | 6-19-25 | 181 | | | | | |
| P 21 | Y162 | well C-8 | 5,800 | | 0907 | | 180 | | | | | |
| P | Y163 | well SW-115 | 850 | | 0909 | | 7.84 | | | | | |
| P | Y164 | well C-29 | 650 | | 0910 | | 11.70 | | | | | |
| P | Y165 | well C-11 | 9,500 | | 0911 | | 40.90 | | | | | |
| P | Y166 | well C-27 | 550 | | 0912 | | 131 | | | | | |
| P | Y167 | well C-15 | 1,050 | | 0915 | | 59.83 | | | | | |
| P | Y168 | well C-23 | 550 | | 0914 | | 19.98 | | | | | |
| 37 | Y1 | H2169E | 1,450 | | 0903 | | 19.26 | | | | | |
| 34 | Y2 | H1905B | 1,301 | | 0935 | | 17.29 | | | | | |
| 34 | Y3 | CV24163 | 1,755 | | 0936 | | 12.47 | | | | | |
| 39 | Y4 | CV11 | 693 | | 0829 | | 147 | | | | | |
| 50 | Y5 | CV24211 | 801 | | 0927 | | 51.70 | | | | | |
| 50 | Y6 | Steelpost/Valve | 5,570 | | 0847 | | 260 | | | | | |
| 49 | Y7 | CV24226 | 1,453 | | 0842 | | 26.07 | | | | | |
| 31 | Y8 | H18055 | 1,331 | | 0938 | | 14.25 | | | | | |
| 86 | Y9 | CV24206 | 868 | | 0830 | | 25.92 | | | | | |
| 86 | Y10 | H17645 | 7,680 | | 0832 | | 443 | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | Page 1 of 1 Pages |
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA 1000 | TVA 1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 35 | B1 | CV24224 | 240 | 6-12-25 | 0821 | 6-19-25 | 21.10 | | |
| 35 | B2 | H18065 | 251 | ↓ | 0824 | ↓ | 14.32 | | |
| 50 | B3 | Unmarked pipe | 349 | ↓ | 0848 | ↓ | 11.35 | | |
| 215 | B120 | H2053W | 250 | ↓ | 0852 | ✓ | 21.16 | | |

RIES

Environmental

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 32 SERIAL #: 0925538423

MONITORING DATE: 6-19-25 TIME: 0715

### Calibration Procedure.

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.75 ppm | 6.38 ppm | 6.06 ppm |

Background Value = 6.06 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 498 ppm | 450 ppm | 6 |
| #2 | 499 ppm | 450 ppm | 7 |
| #3 | 501 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.2 ppm | 498 ppm | 2 |
| #2 | 0.3 ppm | 499 ppm | 1 |
| #3 | 0.1 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.26% #DIV/0! Must be less than 10% |

Performed By: Stephen Barbers Date/Time: 6-19-25 / 0715

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 43 SERIAL #: 1538506 2

MONITORING DATE: 6-19-25 TIME: 0715

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.95 ppm | 6.42 ppm | 6.18 ppm |

Background Value = 6.18 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 6 |
| #2 | 500 ppm | 450 ppm | 7 |
| #3 | 503 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3)/3 | | | 7 #DIV/0! Must be less than 30 seconds |

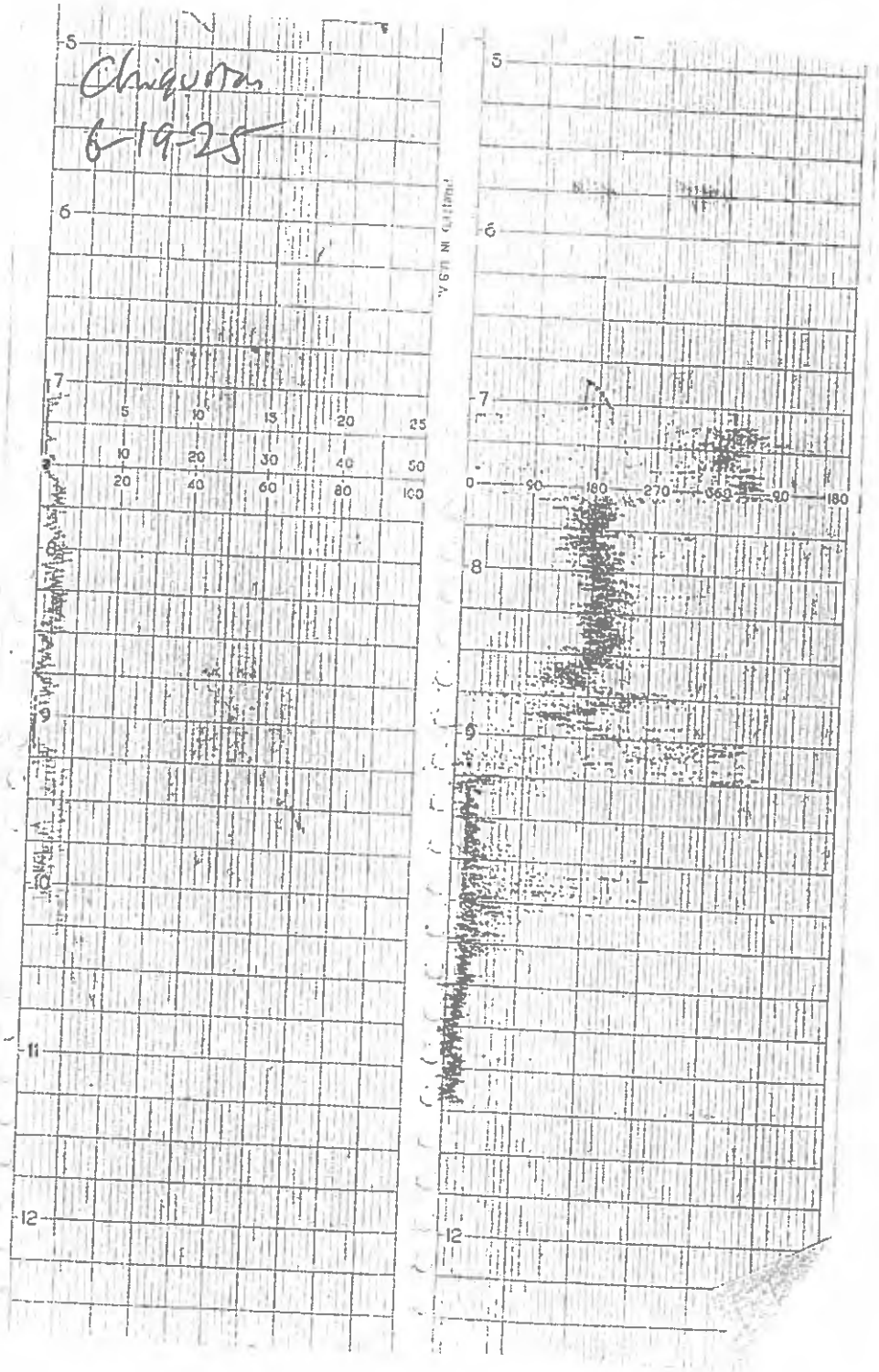
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 499 ppm | 1 |
| #2 | 0.3 ppm | 500 ppm | 0 |
| #3 | 0.5 ppm | 503 ppm | 3 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.26% #DIV/0! Must be less than 10% |

Performed By Stephen Barclay Date/Time 6-19-25 / 0715

# WIND SPEED & DIRECTION CHART ROLL



6-12-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43314204 | -118.644798 | 2025-06-12T16:14:36Z | B1 | 240Ppmgrd35wellcv24224 |
| 2 | 34.43106702 | -118.650553 | 2025-06-12T15:31:31Z | B120 | 250PPM Well 5038 |
| 3 | 34.432891 | -118.644463 | 2025-06-12T16:23:53Z | B2 | 251Ppmgrd35wellh1806s |
| 4 | 34.43264902 | -118.643171 | 2025-06-12T16:51:18Z | B3 | 349Ppmgrd50unmarkedpipe |
| 5 | 34.43420998 | -118.6442 | 2025-06-12T15:25:03Z | Y1 | 1450Ppmgrd37wellh2169e |
| 6 | 34.43239203 | -118.645709 | 2025-06-12T17:39:22Z | Y10 | 7680Ppmgrd86wellh17645 |
| 7 | 34.431769 | -118.643028 | 2025-06-12T15:53:10Z | Y161 | PPM564 well cap |
| 8 | 34.43364303 | -118.640901 | 2025-06-12T16:09:54Z | Y162 | PPM 5800 Well C-8 |
| 9 | 34.43481599 | -118.641214 | 2025-06-12T16:16:23Z | Y163 | PPM 850 well sw-115 |
| 10 | 34.43483502 | -118.641209 | 2025-06-12T16:21:27Z | Y164 | PPM 680 well C-29 |
| 11 | 34.435234 | -118.641329 | 2025-06-12T16:25:01Z | Y165 | PPM 8500 well C-11 |
| 12 | 34.43613497 | -118.640985 | 2025-06-12T16:32:58Z | Y166 | PPM 950 well C-27 |
| 13 | 34.43626103 | -118.64107 | 2025-06-12T16:35:33Z | Y167 | PPM 1050 well C-15 |
| 14 | 34.43708899 | -118.641636 | 2025-06-12T16:42:40Z | Y168 | PPM 650 well C-25 |
| 15 | 34.43372601 | -118.645168 | 2025-06-12T15:59:55Z | Y2 | 1301Ppmgrd34wellh1805b |
| 16 | 34.43348779 | -118.6447759 | 2025-06-13T13:11:44Z | Y3 | 1755PPM CV24163 |
| 17 | 34.43282696 | -118.643518 | 2025-06-12T18:00:29Z | Y4 | 693Ppmgrd39wellcv11 |
| 18 | 34.43271196 | -118.643853 | 2025-06-12T16:45:45Z | Y5 | 801Ppmgrd50wellcv24211 |
| 19 | 34.432329 | -118.64364 | 2025-06-12T16:54:43Z | Y6 | 5570Ppmgrd50steelpipe/valve |
| 20 | 34.43211601 | -118.644332 | 2025-06-12T17:10:38Z | Y7 | 1453Ppmgrd49wellcv24226 |
| 21 | 34.43292302 | -118.645136 | 2025-06-12T17:22:40Z | Y8 | 1331Ppmgrd31wellh1805s |
| 22 | 34.43222397 | -118.645632 | 2025-06-12T17:55:38Z | Y9 | 868Ppmgrd86wellcv24209 |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician: | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500ppm | |

**Initial Monitoring Event**

| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored |
|---|---|---|---|---|
| 45 | Y50 | surface | 572 | 6-10-25 |
| 46 | Y51 | surface | 900 | |
| 51 | Y54 | CV-06 | 800 | |
| 73 | Y1 | CV24132 | 1,500 | |
| 40 | Y2 | CV2012 | 500 | |
| 59 | Y3 | CV24111 | 528 | |
| 36 | Y4 | CV2324 | 1,200 | ↓ |

**First Re-Monitoring Event – 10 Days**

| Remedial Work Time | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
|---|---|---|---|
| 0939 | 6-19-25 | 13.21 | |
| 0840 | | 12.84 | |
| 0950 | | 458 | |
| 0935 | | 47.10 | |
| 0820 | | 152 | |
| 0758 | | 212 | |
| 0801 | ↓ | 57.86 | |

**Second Re-Monitoring Event – 10 Days**

| Remedial Work | Date Monitored | No Excd <500 ppm | Excd >500 ppm |
|---|---|---|---|

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | | | | 2nd QTR / 2025 | | | | Page 1 of 1 Pages | |
| Technician: | Stephen Borcher | | | | Stephen Borcher | | | | | |
| Instrument: | TVA1000 | | | | TVA1000 | | | | | |
| Calibration Standard: | 500ppm | | | | 500ppm | | | | | |
| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments | |
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Time | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | | |
| 237 | B-61 | GAR25 | 305 | 6-10-25 | 0859 | 6-19-25 | 7.68 | | | |
| 237 | B-62 | GAR 15 | 220 | ↓ | 0858 | ↓ | 19.4 | | | |

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## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 32 SERIAL #: 0929538423

MONITORING DATE: 6-19-25 TIME: 0715

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.75 ppm | 6.38 ppm | 6.06 ppm |

**Background Value =** 6.06 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 498 ppm | 450 ppm | 6 |
| #2 | 499 ppm | 450 ppm | 7 |
| #3 | 501 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3)/3 | | | 7 #DIV/0! Must be less than 30 seconds |

**CALIBRATION PRECISION RECORD**

**Calibration Gas Standard =** 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.2 ppm | 498 ppm | 2 |
| #2 | 0.3 ppm | 499 ppm | 1 |
| #3 | 0.1 ppm | 501 ppm | 1 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.26% #DIV/0! Must be less than 10% |

Performed By Stephen Barbers Date/Time 6-19-25 / 0715

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## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 43 SERIAL #: 15865062

MONITORING DATE: 6-19-25 TIME: 0715

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.95 ppm | 6.42 ppm | 6.18 ppm |

Background Value = 6.18 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 6 |
| #2 | 500 ppm | 450 ppm | 7 |
| #3 | 503 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3)/3 | | | 7 #DIV/0! Must be less than 30 seconds |

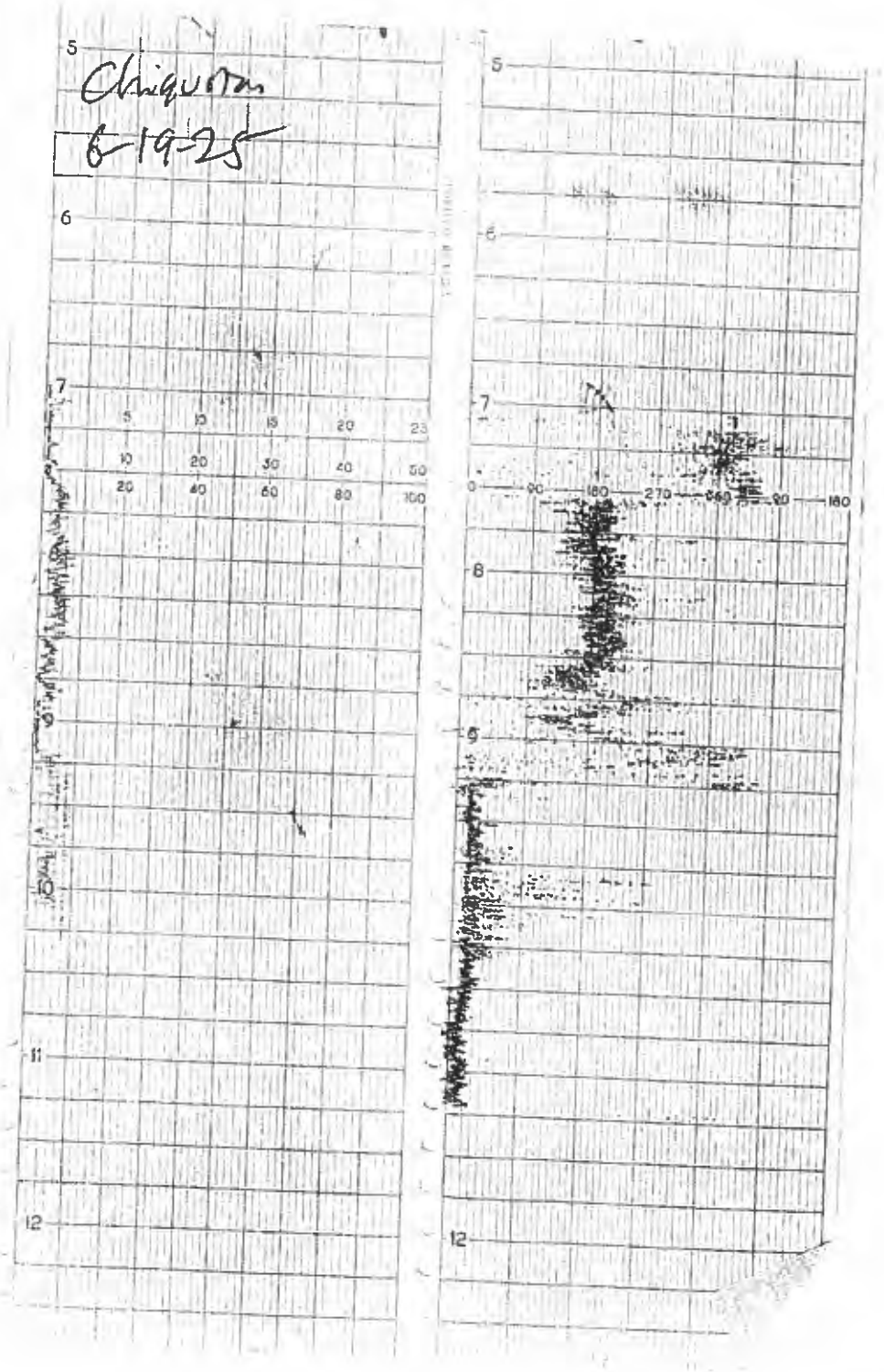
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 499 ppm | 1 |
| #2 | 0.3 ppm | 500 ppm | 0 |
| #3 | 0.5 ppm | 503 ppm | 3 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.26 % #DIV/0! Must be less than 10% |

Performed By Stephen Borchers Date/Time: 6-19-25 / 0715

# WIND SPEED & DIRECTION CHART ROLL



6-10-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.42811298 | -118.648403 | 2025-06-10T15:58:25Z | B61 | Ppm305grid237wellgab25 |
| 2 | 34.42812103 | -118.648411 | 2025-06-10T15:59:37Z | B62 | Ppm230grid237wellgab15 |
| 3 | 34.43725001 | -118.64403 | 2025-06-10T15:14:00Z | Y01 | 1500Ppm grid 73-well cv24132 |
| 4 | 34.43502403 | -118.643289 | 2025-06-10T18:22:18Z | Y02 | 500Ppm grid40-well cv2012 |
| 5 | 34.43531597 | -118.644923 | 2025-06-10T18:44:45Z | Y03 | 528Ppm grid 59-well cv24111 |
| 6 | 34.43452204 | -118.644218 | 2025-06-10T18:59:19Z | Y04 | 1200Ppm grid 36well cv 2324 |
| 7 | 34.43470703 | -118.642166 | 2025-06-10T17:53:03Z | Y50 | Y50PPM512SURF45 |
| 8 | 34.434128 | -118.642171 | 2025-06-10T18:04:06Z | Y51 | Y51PPM900SURF46 |
| 9 | 34.43257702 | -118.642756 | 2025-06-10T18:56:25Z | Y54 | Y54PPM800WEIICV06 |

# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site Chiquita Landfill



| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500ppm | |

**Initial Monitoring Event**

| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored |
|---|---|---|---|---|
| 211 | Y1 | surface | 7,000 | 6-11-25 |
| 226 | Y2 | surface | 900 | |
| 185 | Y21 | CV24073 | 10,000 | |
| 185 | Y22 | steelpipe | 20,000 | |
| 185 | Y23 | CV24012 | 20,000 | |
| 178 | Y24 | CV24024 | 10,000 | |
| 179 | Y25 | CV24027 | 20,000 | |
| 178 | Y26 | CV2308 | 1,400 | |
| 178 | Y27 | CV24026 | 1,529 | |
| 32 | Y28 | H-2468C | 5,107 | |
| 32 | Y29 | CV24110 | 2,876 | |
| 32 | Y30 | 12"+cap%/ppm | 80,000 | |
| 32 | Y31 | CV2321 | 3,970 | |
| 32 | Y32 | H 1802V | 30,000 | |
| 33 | Y33 | H 19568 | 1,678 | |
| 33 | Y34 | CV-1907 | 615 | |
| 33 | Y35 | CV-24109 | 2,507 | |
| 30 | Y36 | CV-24161 | 2,730 | |
| 30 | Y37 | H-18048 | 570 | |
| 30 | Y38 | Surface | 9,683 | |
| 84 | Y39 | unmarked | 4,463 | |
| 85 | Y40 | CV24210 | 3,428 | |

**First Re-Monitoring Event – 10 Days**

| Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
|---|---|---|---|
| Time | | | |
| 9:06 | 6-19-25 | 401 | |
| 9:09 | | 462 | |
| 9:13 | | 371 | |
| 9:14 | | 161 | |
| 9:16 | | 370 | |
| 9:21 | | 470 | |
| 9:23 | | 518 | |
| 9:27 | | 2[illegible] | |
| 9:31 | | 100 | |
| 7:37 | | 491 | |
| 7:45 | | 134 | |
| 7:52 | | 66.54 | |
| 9:48 | | 411 | |
| 7:54 | | 76.30 | |
| 7:43 | | 139 | |
| 7:41 | | 409 | |
| 7:48 | | 108 | |
| 7:59 | | 490 | |
| 7:56 | | 320 | |
| 9:02 | | 116 | |
| 8:07 | | 6430 | |
| 8:21 | | 76.01 | |

**Second Re-Monitoring Event – 10 Days**

| Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
|---|---|---|---|

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Landfill

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR /2025 | 2nd QTR /2025 | Page 1 of 1 Pages |
| Technician: | Stephen Borchers. | Stephen Borchers. | |
| Instrument: | TVA 1000 | TVA1000 | |
| Calibration Standard: | 500 ppm | 500 ppm | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Time | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 85 | B21 | H18045 | 219 | 6-11-25 | 8:13 | 6-19-25 | 104 | | |
| 84 | B22 | H17644 | 397 | | 9:16 | | 196 | | |
| 220 | B1 | CV24236 | 280 | | 10:07 | | 96 | | |
| 220 | B2 | unmarked (well) | 226 | ↓ | 10:11 | ↓ | 142 | | |
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## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 5 SERIAL #: 4919480

MONITORING DATE: 6-19-25 TIME: 0715

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.10 ppm | 7.35 ppm | 6.72 ppm |

Background Value = 6.72 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 498 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 8 |
| #3 | 500 ppm | 450 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.0 ppm | 498 ppm | 2 |
| #2 | 0.0 ppm | 501 ppm | 1 |
| #3 | 0.3 ppm | 500 ppm | 0 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.296 #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time: 6-19-25

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Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT # 7 SERIAL # 0720723627

MONITORING DATE: 6-19-25 TIME: 0715

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.17 ppm | 6.75 ppm | 5.96 ppm |

Background Value = 5.96 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 7 |
| #3 | 503 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 499 ppm | 1 |
| #2 | 0.3 ppm | 501 ppm | 1 |
| #3 | 0.5 ppm | 503 ppm | 3 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.33 #DIV/0! Must be less than 10% |

Performed By Stephen Barbers Date/Time 6-19-25 / 0715

RES
Environmental Inc.

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 4 SERIAL #: 1035045571

MONITORING DATE: 6-19-25 TIME: 0715

### Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm

### Background Determination Procedure

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.15 ppm | 7.31 ppm | 6.73 ppm |

Background Value = 6.73 ppm

### INSTRUMENT RESPONSE TIME RECORD

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 497 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 7 |
| #3 | 500 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

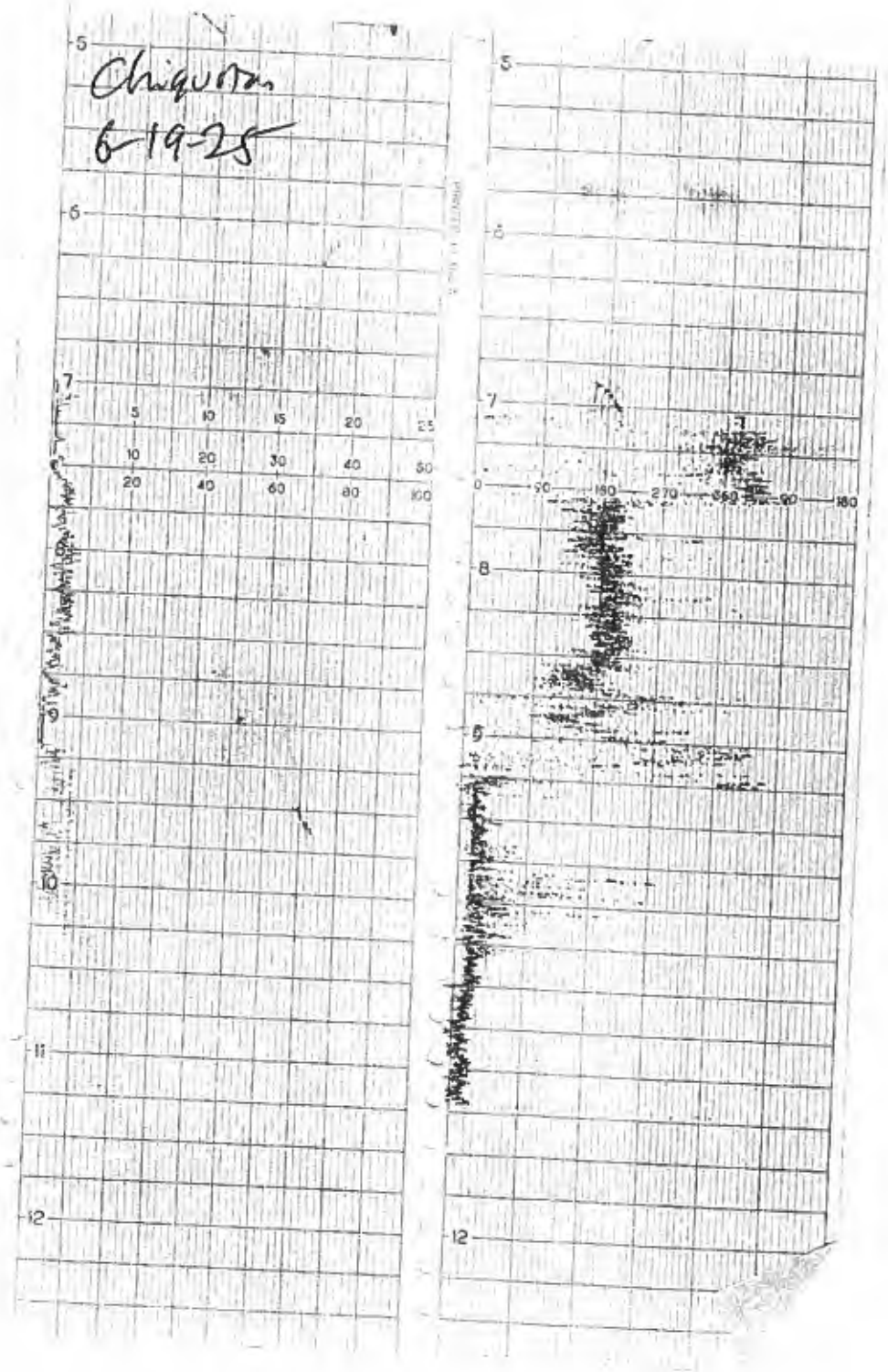
### CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 497 ppm | 3 |
| #2 | 0.2 ppm | 501 ppm | 1 |
| #3 | 0.0 ppm | 500 ppm | 0 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.26% #DIV/0! Must be less than 10% |

Performed By: Stephen Boehnes Date/Time: 6-19-25 / 0715

# WIND SPEED & DIRECTION CHART ROLL



6-11-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43011399 | -118.650474 | 2025-06-11T19:04:04Z | B01 | 280Ppm grid 220well cv 24236 |
| 2 | 34.43015297 | -118.650449 | 2025-06-11T19:08:14Z | B02 | 226-Ppm grid 220-well unmarked |
| 3 | 34.43307901 | -118.645705 | 2025-06-11T18:55:53Z | B21 | 219Ppmgrd85wellh1804s |
| 4 | 34.43317498 | -118.645619 | 2025-06-11T18:58:20Z | B22 | 392Ppmgrd84wellh1764n |
| 5 | 34.43209598 | -118.650487 | 2025-06-11T16:40:34Z | Y01 | 7000-Ppm grid 211-surface |
| 6 | 34.43001802 | -118.650546 | 2025-06-11T18:54:55Z | Y02 | 900Ppm grid 226-surface |
| 7 | 34.43659999 | -118.649187 | 2025-06-11T16:56:26Z | Y21 | 10000Ppmgrd185wellcv24073 |
| 8 | 34.43622197 | -118.649595 | 2025-06-11T17:15:42Z | Y22 | 20000Ppmgrd185steelpipenexttowell145 |
| 9 | 34.43616799 | -118.649338 | 2025-06-11T17:18:54Z | Y23 | 30000Ppmgrd185wellcv24012 |
| 10 | 34.43615399 | -118.649009 | 2025-06-11T17:22:25Z | Y24 | 10000Ppmgrd178wellcv24021 |
| 11 | 34.43612901 | -118.648691 | 2025-06-11T17:24:55Z | Y25 | 30000Ppmgrd178wellcv24027 |
| 12 | 34.43590396 | -118.648884 | 2025-06-11T17:28:17Z | Y26 | 1400Ppmgrd178wellcv2305 |
| 13 | 34.43568 | -118.64923 | 2025-06-11T17:30:49Z | Y27 | 1529Ppmgrd178wellcv24026 |
| 14 | 34.43442204 | -118.644812 | 2025-06-11T17:43:14Z | Y28 | 5107Ppmgrd32wellh2168c |
| 15 | 34.43463896 | -118.644665 | 2025-06-11T17:45:51Z | Y29 | 2876Ppmgrd32wellcv24110 |
| 16 | 34.43456302 | -118.645282 | 2025-06-11T17:49:41Z | Y30 | 80000Ppmgrd32-12inchtcapwpipe |
| 17 | 34.43463704 | -118.645349 | 2025-06-11T17:53:21Z | Y31 | 3970Ppmgrd32wellcv2321 |
| 18 | 34.43480199 | -118.645071 | 2025-06-11T17:56:47Z | Y32 | 30000Ppmgrd32wellh1802n |
| 19 | 34.43427804 | -118.644727 | 2025-06-11T18:01:11Z | Y33 | 1978Ppmgrd33wellh1956b |
| 20 | 34.43425901 | -118.644901 | 2025-06-11T18:03:10Z | Y34 | 615Ppmgrd33wellcv1907 |
| 21 | 34.43398702 | -118.644851 | 2025-06-11T18:08:57Z | Y35 | 2507Ppmgrd33wellcv24109 |
| 22 | 34.43385702 | -118.645604 | 2025-06-11T18:20:56Z | Y36 | 2730Ppmgrd30wellcv24161 |
| 23 | 34.43422599 | -118.64562 | 2025-06-11T18:23:54Z | Y37 | 570Ppmgrd30wellh1804b |
| 24 | 34.43395399 | -118.645452 | 2025-06-11T18:26:27Z | Y38 | 9683Ppmgrd30surface |
| 25 | 34.43350498 | -118.64596 | 2025-06-11T18:42:44Z | Y39 | 4463Ppmgrd84unmarkedwell |
| 26 | 34.432675 | -118.645557 | 2025-06-11T19:03:47Z | Y40 | 3428Ppmgrd85wellcv24210 |

# CHIQUITA CANYON LANDFILL (1150.1)
## PERIMETER GAS MONITORING DATA SHEET

101

Date 6-17-25 | Weather Conditions Sunny / Clear

Technician Robert Johns | Temp. 640 °F

Inst. GEM Model 5000 | Wind Speed (MPH) & Direction 7 NW

Serial # G5005830 | Barometric Pressure 29.83 in. Hg

| Probe Number | Time | Date | CH4% (% Vol.) | CO2% | O2% | Bal % | Evac. Pumps | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-A - 10 | 0912 | 6-17-25 | 0.0 | 0.0 | 21.0 | 79.0 | 6 | -.02 | |
| 51 | 0914 | | 0.0 | 0.0 | 21.0 | 78.9 | 19 | -1.53 | |
| 102 | 0916 | | 0.0 | 0.0 | 21.1 | 78.9 | 39 | -.06 | |
| 151.5 | 0918 | | 0.0 | 0.0 | 21.0 | 78.9 | 95 | -.29 | |
| GP-1R - 26 | 1107 | | 0.0 | 0.1 | 20.9 | 79.0 | 16 | +.04 | |
| 38 | 1110 | | 0.0 | 0.1 | 20.8 | 79.1 | 26 | +.03 | |
| 47 | 1112 | | 0.0 | 0.1 | 20.1 | 78.8 | 18 | -.01 | |
| GP-2 - 15.5 | 0728 | | 0.0 | 0.5 | 20.4 | 79.1 | 16 | -.09 | |
| 44.5 | 0730 | | 0.0 | 0.0 | 21.1 | 78.9 | 18 | -.08 | |
| 53 | 0732 | | 0.0 | 0.0 | 21.1 | 78.9 | 19 | -.04 | |
| GP-5 - 10 | 1055 | | 0.0 | 4.9 | 16.1 | 79.1 | 6 | -.05 | |
| 45 | 1046 | | 8.9 | 13.6 | 5.2 | 72.3 | 18 | +.04 | |
| 93 | 1104 | | 0.0 | 0.1 | 21.8 | 78.1 | 64 | +.01 | |
| GP-6 - 10 | 1014 | | 0.0 | 0.3 | 20.5 | 79.3 | 6 | +.02 | |
| 30 | 1016 | | 0.0 | 0.6 | 20.0 | 79.4 | 20 | +.08 | |
| 60 | 1018 | | 0.0 | 0.0 | 20.7 | 79.3 | 41 | -.12 | |
| GP-7 - 10 | 1003 | | 0.0 | 0.3 | 20.2 | 79.5 | 6 | +.10 | |
| 30 | 1005 | | 0.0 | 1.4 | 16.4 | 80.2 | 20 | -.05 | |
| 60 | 1007 | | 0.0 | 0.2 | 20.0 | 79.8 | 41 | +.10 | |
| GP-8 - 10 | 0951 | | 0.0 | 0.4 | 20.2 | 79.4 | 6 | +.02 | |
| 60 | 0953 | | 0.0 | 0.4 | 16.8 | 80.8 | 41 | +.21 | |
| 120 | 0955 | | 0.0 | 0.6 | 19.3 | 80.2 | 75 | +.23 | |
| GP-9 - 25 | 0941 | | 0.0 | 1.8 | 16.2 | 80.0 | 16 | +.05 | |
| 55 | 0943 | | 0.0 | 1.1 | 19.1 | 79.9 | 20 | +.09 | |
| 83 | 0946 | | 0.0 | 0.0 | 20.7 | 79.3 | 51 | -.06 | |
| GP-10 - 22 | 0926 | | 0.0 | 1.9 | 16.4 | 79.7 | 17 | +.05 | |
| 37 | 0928 | | 0.0 | 0.7 | 16.1 | 81.2 | 26 | +.03 | |
| 63 | 0930 | | 0.0 | 0.0 | 20.7 | 79.3 | 42 | -.06 | |
| 87 | 0932 | | 0.0 | 0.0 | 20.7 | 79.3 | 59 | +.14 | |
| GP-11 - 10 | 0848 | | 0.0 | 0.6 | 19.6 | 79.9 | 6 | -.20 | |
| 70 | 0850 | | 0.0 | 5.4 | 12.9 | 81.8 | 49 | -.68 | |
| 141 | 0852 | | 0.0 | 0.1 | 20.4 | 79.6 | 102 | -.33 | |
| 208 | 0856 | ↓ | 0.0 | 0.4 | 19.5 | 80.1 | 137 | -.45 | |

# CHIQUITA CANYON LANDFILL (1150.1)
## PERIMETER GAS MONITORING DATA SHEET

101

Date 6-17-25
Technician Robert Johns
Inst. GEM Model 5000
Serial # G80530

Weather Conditions Sunny / Clear
Temp 84° °F
Wind Speed (MPH) & Direction 7 NW
Barometric Pressure 29.83 in. Hg

| Probe Number | Time | Date | CH4% (% Vol.) | CO2% | O2% | Bal.% | Evac. Pumps | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-12 - 12 | 0833 | 6-17-25 | 0.0 | 0.1 | 16.7 | 81.2 | 4 | .0 | |
| 38 | 0835 | | 0.0 | 0.0 | 19.4 | 80.5 | 26 | +.02 | |
| 74 | 0837 | | 0.0 | 0.1 | 19.4 | 80.5 | 50 | -.09 | |
| 110 | 0839 | | 0.0 | 0.0 | 19.4 | 80.2 | 75 | +.04 | |
| 224 | 0843 | | 0.0 | 0.0 | 19.4 | 80.1 | 171 | -.04 | |
| GP-13 - 10 | 0759 | | 0.0 | 0.5 | 19.6 | 79.9 | 6 | +.07 | |
| 29 | 0804 | | 0.0 | 3.7 | 17.9 | 78.4 | 19 | -.18 | |
| 58 | 0810 | | 21.3 | 12.4 | 0.8 | 65.5 | 39 | -.24 | |
| 87 | 0817 | | 3.9 | 8.9 | 3.0 | 84.2 | 59 | -1.47 | |
| 173 | 0825 | | 9.9 | 4.1 | 2.6 | 83.4 | 109 | -.53 | |
| GP-14 - 10 | 0739 | | 0.0 | 0.0 | 21.0 | 79.0 | 6 | -.17 | |
| 23 | 0741 | | 0.0 | 0.1 | 20.8 | 79.1 | 15 | -.24 | |
| 44 | 0743 | | 0.0 | 1.7 | 16.9 | 79.4 | 30 | -.08 | |
| 67 | 0745 | | 0.0 | 3.3 | 13.6 | 82.9 | 46 | -.51 | |
| 134 | 074 | ↓ | 0.0 | 8.9 | 1.9 | 89.2 | 92 | -2.87 | |

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

RES Environmental Inc.

# GEM 5000 CALIBRATION

**TECHNICIAN:** ROBERT JOHNS

**CALIBRATION DATE:** 6/17/2025

**SITE:** CHIQUITA CANYON LANDFILL

**TIME:** 5:00AM

**GEM 5000 SERIAL #:** G500530

| | | UNCORRECTED READING | CORRECTED READING |
|---|---|---|---|
| $CH_4$ | 15% | 15% | 15% |
| $CO_2$ | 15% | 15% | 15% |
| $O_2$ | 4% | 4% | 4% |

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# CHIQUITA CANYON LANDFILL (1150.1)
## PERIMETER GAS MONITORING DATA SHEET

Date: 6-23-25 | Weather Conditions: Clear

Technician: Robert Johns | Temp.: 70 °F

Inst.: GEM | Model: 5000 | Wind Speed (MPH) & Direction: 2 SW

Serial #: G-500530 | Barometric Pressure: 29.91 in. Hg

| Probe Number | Time | Date | CH4% (% vol) | CO2% | O2% | Bal % | Evac. Pumps | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-A - 10 | | | | | | | 6 | | |
| 51 | | | | | | | 19 | | |
| 102 | | | | | | | 39 | | |
| 151.5 | | | | | | | 95 | | |
| GP-1R - 26 | | | | | | | 16 | | |
| 38 | | | | | | | 26 | | |
| 47 | | | | | | | 18 | | |
| GP-2 - 15.5 | | | | | | | 16 | | |
| 44.5 | | | | | | | 18 | | |
| 53 | | | | | | | 19 | | |
| GP-5 - 10 | | | | | | | 6 | | 1st 10day recharge |
| 45 | 0956 | 6-23-25 | 0.0 | 0.0 | 20.5 | 79.4 | 18 | -.09 | for 6-17-25 |
| 93 | | | | | | | 64 | | Probe Monitoring |
| GP-6 - 10 | | | | | | | 6 | | |
| 30 | | | | | | | 20 | | |
| 60 | | | | | | | 41 | | |
| GP-7 - 10 | | | | | | | 6 | | |
| 30 | | | | | | | 20 | | |
| 60 | | | | | | | 41 | | |
| GP-8 - 10 | | | | | | | 6 | | |
| 60 | | | | | | | 41 | | |
| 120 | | | | | | | 75 | | |
| GP-9 - 25 | | | | | | | 16 | | |
| 55 | | | | | | | 20 | | |
| 83 | | | | | | | 51 | | |
| GP-10 - 22 | | | | | | | 17 | | |
| 37 | | | | | | | 26 | | |
| 63 | | | | | | | 42 | | |
| 87 | | | | | | | 59 | | |
| GP-11 - 10 | | | | | | | 6 | | |
| 70 | | | | | | | 49 | | |
| 141 | | | | | | | 102 | | |
| 208 | | | | | | | 137 | | |

## CHIQUITA CANYON LANDFILL (1150.1)
## PERIMETER GAS MONITORING DATA SHEET

101

Date 6-23-25 Weather Conditions Clear

Technician Robert Johns Temp 70° °F

Inst. GEM Model 5000 Wind Speed (MPH) & Direction 2 SW

Serial # G500530 Barometric Pressure 29.9 In. Hg

| Probe Number | Time | Date | CH4% (% Vol.) | CO2% | O2% | Bal % | Evac. Pumps | Pressure (+/- in. w.c.) | Comments |
|---|---|---|---|---|---|---|---|---|---|
| GP-12 - 12 | | | | | | | 4 | | |
| 38 | | | | | | | 26 | | |
| 74 | | | | | | | 50 | | |
| 110 | | | | | | | 75 | | |
| 224 | | | | | | | 171 | | |
| GP-13 - 10 | | | | | | | 6 | | 1st 10 day recharge |
| 29 | | | | | | | 19 | | for 6-17-25 |
| 58 | 0926 | 6-23-25 | 14.1 | 16.4 | 0.2 | 69.3 | 39 | -.57 | Probe Monitoring |
| 87 | | | | | | | 59 | | |
| 173 | 0930 | 6-23-25 | 0.0 | 0.1 | 20.6 | 79.3 | 109 | -.77 | |
| GP-14 - 10 | | | | | | | 6 | | |
| 23 | | | | | | | 15 | | |
| 44 | | | | | | | 30 | | |
| 67 | | | | | | | 46 | | |
| 134 | | | | | | | 92 | | |

Evac. Pumps: Divide value by 3.78 (26) = Liters to gallons

RES Environmental Inc.

# GEM 5000 CALIBRATION

**TECHNICIAN:** ROBERT JOHNS

**CALIBRATION DATE:** 6/23/2025

**SITE:** CHIQUITA CANYON LANDFILL

**TIME:** 5:00AM

**GEM 5000 SERIAL #:** G500530

| | | UNCORRECTED READING | CORRECTED READING |
|---|---|---|---|
| $CH_4$ | 15% | 15% | 15% |
| $CO_2$ | 15% | 15% | 15% |
| $O_2$ | 4% | 4% | 4% |

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# Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
## 10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician | Stephen Borchers | Stephen Borchers | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500ppm | |



| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Time | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| L55 | Y61 | well CV24038 | 875 | 6-9-25 | 9:35 | 6-19-25 | 2.00 | | | | | |
| L60 | Y62 | Surface | 3042 | | 9:15 | | 3.15 | | | | | |
| L65 | Y63 | well H-1725 | 675 | | 9:20 | | 9.15 | | | | | |
| L96 | Y101 | well CV24104 | 1638 | | 9:35 | | 1.45 | | | | | |
| L97 | Y102 | well CV24198 | 830 | | 9:40 | | 1.52 | | | | | |
| L97 | Y103 | well CV2507 | 2930 | | 9:45 | | 1.5C | | | | | |
| L81 | Y1 | Surface | 5000 | | 9:50 | | 394 | | | | | |
| L99 | Y2 | well CV24025 | 6000 | | 9:55 | | 239 | | | | | |
| L79 | Y3 | well FP033 | 6000 | | 10:00 | | 480 | | | | | |
| L79 | Y4 | well CV24018 | 6000 | | 10:05 | | 240 | | | | | |
| L84 | Y5 | well CV24016 | 6000 | | 10:10 | | 760 | | | | | |
| L57 | Y25 | well CV24040 | 700 | | 10:20 | | 345 | | | | | |
| L72 | Y26 | well CV24045 | 505 | | 10:25 | | 425 | | | | | |
| L73 | Y27 | well CHIEF 060 | 570 | | 10:27 | | 310 | | | | | |
| L74 | Y28 | well CV1532H | 750 | | 10:29 | | 440 | | | | | |
| L70 | Y34 | well H1752 | 510 | | 10:31 | | 265 | | | | | |
| L58 | Y36 | well CV2328 | 905 | | 10:34 | | 347 | | | | | |
| L59 | Y37 | well CV24091 | 800 | | 10:37 | | 400 | | | | | |
| 80 | Y41 | well unmarked | 500 | | 10:38 | | 220 | | | | | |
| 80 | Y42 | well unmarked | 5278 | | 11:01 | | 110 | | | | | |
| 78 | Y43 | well CV24122 | 1032 | | 10:59 | | 190 | | | | | |
| 78 | Y44 | Surface | 1946 | | 11:03 | | 220 | | | | | |
| | | | | | 11:04 | | | | | | | |

## Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site Chiquita Canyon



| | | | |
|---|---|---|---|
| Quarter / Year | 2nd QTR / 2025 | 2nd QTR / 2025 | |
| Technician | Stephen Borchers | Stephen Borchers | |
| Instrument | TVA1000 | TVA1000 | |
| Calibration Standard | 500ppm | 500ppm | |

| Initial Monitoring Event | | | | | First Re-Monitoring Event – 10 Days | | | | Second Re-Monitoring Event – 10 Days | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Time | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm | Remedial Work | Date Monitored | No Excd. <500 ppm | Excd. >500 ppm |
| 78 | | | | | | | | | | | | |
| 78 | Y45 | Surface | 500 | 6-9-25 | 11:03 | 6-19-25 | 211 | | | | | |
| 78 | Y46 | Surface | 1040 | | 11:06 | | 320 | | | | | |
| 145 | Y47 | well unmarked | 1032 | | 10:54 | | 400 | | | | | |
| 145 | Y48 | Surface | 4152 | | 10:52 | | 350 | | | | | |
| 145 | Y49 | well CV2424 | 1234 | | 10:51 | | 370 | | | | | |
| 150 | Y50 | well CV2402X | 7860 | | 10:49 | | 298 | | | | | |
| 150 | Y51 | well unmarked | 7564 | | 10:47 | | 230 | | | | | |
| 151 | Y52 | Surface | 600 | | 10:45 | | 209 | | | | | |
| 76 | Y53 | well CV2008 | 523 | | 11:10 | | 300 | | | | | |
| 66 | Y54 | well CV23164 | 560 | | 11:14 | | 320 | | | | | |
| 152 | Y55 | well CV232 | 500 | | 10:43 | | 210 | | | | | |
| 53 | Y56 | well CV2319 | 623 | | 7:45 | | 154 | | | | | |
| 82 | Y57 | Surface | 7842 | | 10:27 | | 90.01 | | | | | |
| 159 | Y58 | CV1-2168A | 500 | | 10:39 | | 150 | | | | | |
| 82 | Y59 | Surface | 2758 | | 7:40 | | 65.80 | | | | | |

## Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
### 10 Day Exceedances and Monitoring Log

Site: Chiquita Canyon

| | | | |
|---|---|---|---|
| Quarter / Year: | 2nd QTR / 2025 | 2nd QTR / 2025 | Page \| of \| Pages |
| Technician: | Stephen Borches | Stephen Borches | |
| Instrument: | TVA1000 | TVA1000 | |
| Calibration Standard: | 500ppm | 500ppm | |

| Initial Monitoring Event | | | | | Re-Monitoring Event – 10 Days | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|
| Grid Number | Flag Number | Location | Field Reading (ppm) | Date Monitored | Remedial Work Time | Date Monitored | Field Reading <200 ppm | Field Reading >200 ppm | |
| 83 | B61 | well CV24160 | 205 | 6-9-25 | 9:50 | 6-19-25 | 130 | | |
| 161 | B62 | well CV24173 | 289 | | 9:40 | | 111 | | |
| 161 | B63 | well CV24183 | 357 | | 9:35 | | 112 | | |
| 163 | B64 | Surface | 245 | | 9:30 | | 165 | | |
| 165 | B65 | well CV24679 | 275 | | 9:25 | | 150 | | |
| 169 | B66 | well CV24178 | 375 | | 9:20 | | 160 | | |
| 208 | B67 | well UNMARKED | 395 | | 9:15 | | 110 | | |
| 77 | D41 | Surface | 223 | | 9:10 | | 120 | | |
| 152 | B42 | Surface | 200 | | 9AM | | 130 | | |
| 153 | B43 | well CV240-74 | 200 | | 7:50 | | 145 | | |
| 81 | B44 | Surface | 231 | | 7:55 | | 150 | | |
| 82 | D45 | well CV24150 | 243 | | 7:45 | | 172 | | |

RES

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT # 5 SERIAL # 4919480

MONITORING DATE: 6-19-25 TIME 0715

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.10 ppm | 7.35 ppm | 6.72 ppm |

Background Value = 6.72 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 498 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 8 |
| #3 | 500 ppm | 450 ppm | 7 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 1.0 ppm | 498 ppm | 2 |
| #2 | 0.0 ppm | 501 ppm | 1 |
| #3 | 0.3 ppm | 500 ppm | 0 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.296 #DIV/0! Must be less than 10% |

Performed By: Stephen Borchers Date/Time: 6-19-25

RES

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 7 SERIAL #: 0720723627

MONITORING DATE: 6-19-25 TIME: 0715

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 499 ppm
3. Adjust meter settings to read 500 ppm

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 5.17 ppm | 6.75 ppm | 5.96 ppm |

Background Value = 5.96 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 499 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 7 |
| #3 | 503 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3) / 3 | | | 7 #DIV/0! Must be less than 30 seconds |

**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 499 ppm | 1 |
| #2 | 0.3 ppm | 501 ppm | 1 |
| #3 | 0.5 ppm | 503 ppm | 3 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.33 #DIV/0! Must be less than 10% |

Performed By Stephen Barbers Date/Time 6-19-25 / 0715

RES

## CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Chiquita INSTRUMENT MAKE: Thermo

MODEL TVA1000 EQUIPMENT #: 4 SERIAL #: 1035045521

MONITORING DATE: 6-19-25 TIME: 0715

**Calibration Procedure:**

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

**Background Determination Procedure**

| Upwind Background Reading: (Highest in 30 seconds) | Downwind Background Reading: (Highest in 30 seconds) | Background Value: (Upwind + Downwind) / 2 |
|---|---|---|
| 6.15 ppm | 7.31 ppm | 6.73 ppm |

Background Value = 6.73 ppm

**INSTRUMENT RESPONSE TIME RECORD**

| Measurement # | Stabilized Reading Using Calibration Gas | 90% of the Stabilized Reading | Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas |
|---|---|---|---|
| #1 | 497 ppm | 450 ppm | 6 |
| #2 | 501 ppm | 450 ppm | 7 |
| #3 | 500 ppm | 450 ppm | 8 |
| Calculate Response Time (1+2+3)/3 | | | 7 #DIV/0! Must be less than 30 seconds |

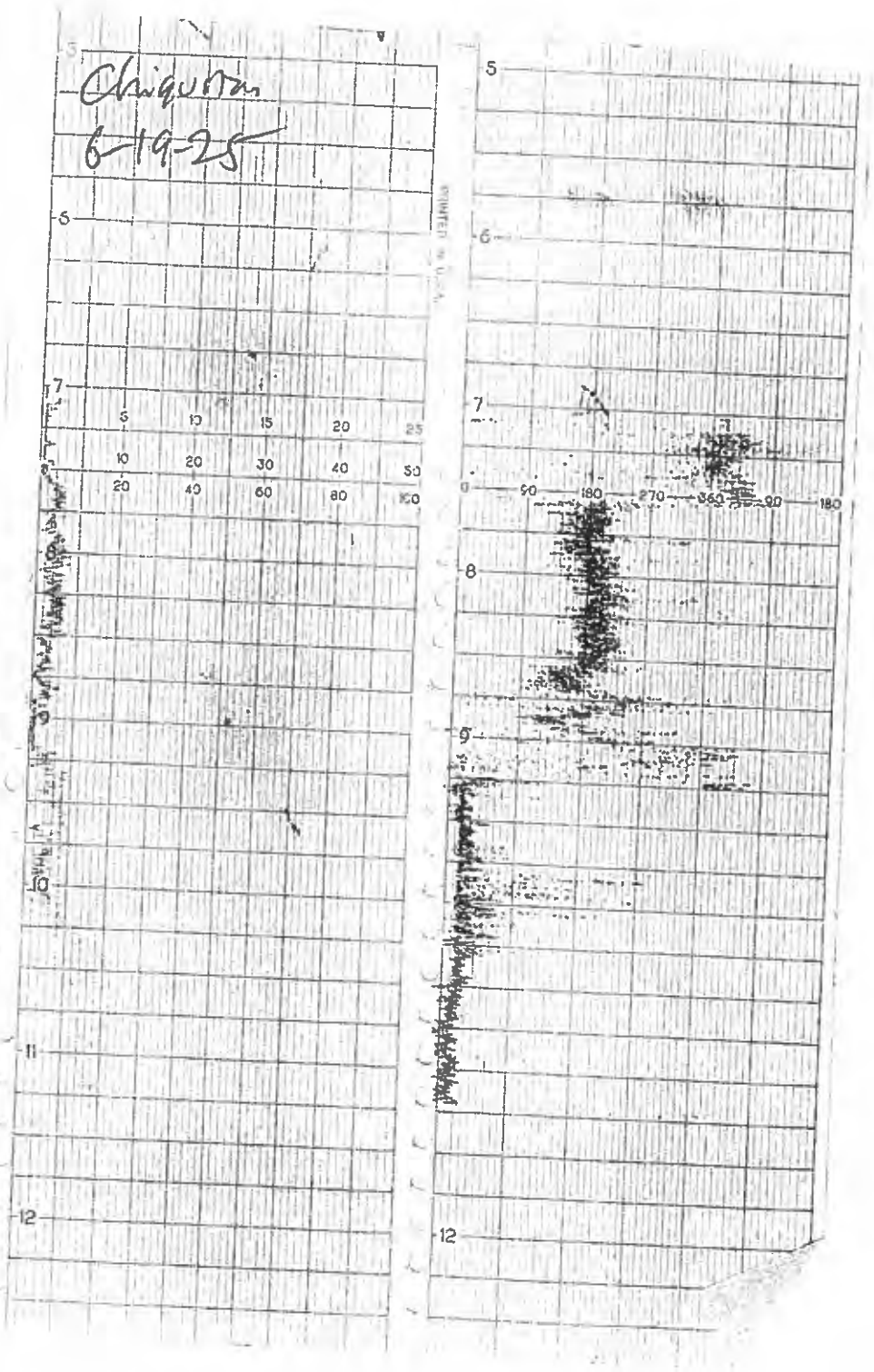
**CALIBRATION PRECISION RECORD**

Calibration Gas Standard = 500 ppm

| Measurement # | Meter Reading for Zero Air (A) | Meter Reading for Calibration Gas (B) | Calculate Precision [STD – (B)] |
|---|---|---|---|
| #1 | 0.1 ppm | 497 ppm | 3 |
| #2 | 0.2 ppm | 501 ppm | 1 |
| #3 | 0.0 ppm | 500 ppm | 0 |
| Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1 | | | 0.26% #DIV/0! Must be less than 10% |

Performed By: Stephen Bochres Date/Time: 6-19-25 / 0715

# WIND SPEED & DIRECTION CHART ROLL



6-9-25 CHIQUITA CANYON LANDFILL EXCEEDANCES

| ID | lat | lon | time | name | cmt |
|---|---|---|---|---|---|
| 1 | 34.43701196 | -118.647241 | 2025-06-09T16:22:43Z | B41 | 223Ppmgrd77surface |
| 2 | 34.43518697 | -118.647313 | 2025-06-09T18:13:19Z | B42 | 200Ppmgrd152surface |
| 3 | 34.43473804 | -118.647369 | 2025-06-09T18:27:42Z | B43 | 200Ppmgrd153wellcv24074 |
| 4 | 34.43496603 | -118.645723 | 2025-06-09T18:42:34Z | B44 | 231Ppmgrd81surface |
| 5 | 34.43458901 | -118.645696 | 2025-06-09T18:45:42Z | B45 | 243Ppmgrd82wellcv24150 |
| 6 | 34.43377596 | -118.646215 | 2025-06-09T16:10:45Z | B61 | Ppm205grd83wellcv24160 |
| 7 | 34.432876 | -118.647646 | 2025-06-09T16:57:58Z | B62 | Ppm289grid161wellcv24173 |
| 8 | 34.43239102 | -118.647635 | 2025-06-09T17:03:32Z | B63 | Ppm357grid161wellcv24183 |
| 9 | 34.43265103 | -118.648418 | 2025-06-09T17:31:07Z | B64 | Ppm248grid163surfacepolle |
| 10 | 34.43295998 | -118.649064 | 2025-06-09T18:00:59Z | B65 | Ppm275grid165wellcv24079 |
| 11 | 34.432358 | -118.648571 | 2025-06-09T18:07:52Z | B66 | Ppm375grid164wellcv24178 |
| 12 | 34.43217301 | -118.650739 | 2025-06-09T18:59:09Z | B67 | Ppm395grid208notmarkedwell |
| 13 | 34.435306 | -118.650979 | 2025-06-09T18:49:30Z | Y01 | 5000Ppm grid 181 surface |
| 14 | 34.43531304 | -118.649932 | 2025-06-09T19:01:45Z | Y02 | 6000Ppm grid 179-well cv 24025 |
| 15 | 34.43541697 | -118.649921 | 2025-06-09T19:11:23Z | Y03 | 6000Ppm grid 179 well fp033 |
| 16 | 34.43562199 | -118.65003 | 2025-06-09T19:18:11Z | Y04 | 6000Ppm grid 179-well cv24018 |
| 17 | 34.43595098 | -118.65024 | 2025-06-09T19:28:23Z | Y05 | 6000Pppm grid 184-well cv 24016 |
| 18 | 34.43172399 | -118.648062 | 2025-06-09T17:00:19Z | Y101 | CV24104 1638 PPM |
| 19 | 34.43157102 | -118.647576 | 2025-06-09T17:30:52Z | Y102 | CV24198 830 PPM |
| 20 | 34.43124102 | -118.647759 | 2025-06-09T17:40:41Z | Y103 | CV2503 2930 PPM |
| 21 | 34.43565301 | -118.648403 | 2025-06-09T16:37:29Z | Y25 | Y25PPM700WEllCV24040 |
| 22 | 34.43510299 | -118.648255 | 2025-06-09T16:47:52Z | Y26 | PPM505WEllCV24046 |
| 23 | 34.43448298 | -118.649643 | 2025-06-09T17:18:44Z | Y27 | PPM510CHIFPO30 |
| 24 | 34.43388199 | -118.650812 | 2025-06-09T17:38:42Z | Y28 | PPM750WEllCV1532A |
| 25 | 34.43393497 | -118.649567 | 2025-06-09T19:03:32Z | Y34 | Y34PPM510WEllH1752 |
| 26 | 34.43436303 | -118.648321 | 2025-06-09T18:31:23Z | Y36 | Y36PPM905WEll2328 |
| 27 | 34.43389004 | -118.647933 | 2025-06-09T18:19:57Z | Y37 | Y37PPM800WEll2484 |
| 28 | 34.43770297 | -118.644159 | 2025-06-09T15:19:51Z | Y41 | 500Ppmgrd80wellnoid |
| 29 | 34.43766299 | -118.644252 | 2025-06-09T15:23:01Z | Y42 | 5278Ppmgrd80wellnoid |
| 30 | 34.43717097 | -118.646596 | 2025-06-09T15:56:33Z | Y43 | 1032Ppmgrd78wellCv24122 |
| 31 | 34.43717298 | -118.646598 | 2025-06-09T15:59:41Z | Y44 | 1946Ppmgrd78surface |
| 32 | 34.43715898 | -118.646648 | 2025-06-09T16:01:30Z | Y45 | 500Ppmgrd78surface |
| 33 | 34.43715898 | -118.646677 | 2025-06-09T16:04:04Z | Y46 | 1040Ppmgrd78surface |
| 34 | 34.43662003 | -118.647858 | 2025-06-09T16:48:02Z | Y47 | 1032Ppmgrd145wellnoid |
| 35 | 34.43681097 | -118.647867 | 2025-06-09T16:54:31Z | Y48 | 4152Ppmgrd145surface |
| 36 | 34.43679404 | -118.648097 | 2025-06-09T17:05:26Z | Y49 | 1234Ppmgrd145wellcv2424 |
| 37 | 34.43633596 | -118.648418 | 2025-06-09T17:13:21Z | Y50 | 7860Ppmgrd150wellcv24028 |
| 38 | 34.43610001 | -118.648051 | 2025-06-09T17:22:11Z | Y51 | 7564Ppmgrd150wellnoid |
| 39 | 34.43585803 | -118.648022 | 2025-06-09T17:27:46Z | Y52 | 600Ppmgrd151surface |
| 40 | 34.43623899 | -118.646206 | 2025-06-09T17:50:56Z | Y53 | 523Ppmgrd76wellcv2008 |
| 41 | 34.436054 | -118.646342 | 2025-06-09T18:01:45Z | Y54 | 560Ppmgrd66wellcv2316A |
| 42 | 34.43529996 | -118.647497 | 2025-06-09T18:17:27Z | Y55 | 500Ppmgrd152wellcv232 |

| | | | | | |
|---|---|---|---|---|---|
| 43 | 34.43531103 | -118.645748 | 2025-06-09T18:39:01Z | Y56 | 623Ppmgrd53wellcv-2319 |
| 44 | 34.43430402 | -118.645706 | 2025-06-09T18:50:12Z | Y57 | 7842Ppmgrd82surface |
| 45 | 34.43447996 | -118.646535 | 2025-06-09T19:02:56Z | Y58 | 500Ppmgrd149wellcv1-2168A |
| 46 | 34.434271 | -118.645672 | 2025-06-09T18:51:17Z | Y59 | 2758Ppmgrd82surface |
| 47 | 34.43358502 | -118.647644 | 2025-06-09T15:36:43Z | Y61 | Ppm875grid155wellcv24088 |
| 48 | 34.43338101 | -118.647437 | 2025-06-09T17:42:58Z | Y62 | Ppm3042grid160borehole35rangrpanel |
| 49 | 34.43300298 | -118.648525 | 2025-06-09T17:54:36Z | Y63 | Ppm675grid165wellh-17725 |

# APPENDIX G

# STORMWATER SAMPLE RESULTS

**TABLE G-1**

**STORMWATER MONITORING RESULTS**
**CHIQUITA CANYON LANDFILL**

| Analyte | Units | WDR Benchmark | 3/14/25 (South) |
|---|---|---|---|
| BTEX | ug/l | | ND |
| Ammonia as N | mg/l | 19 | 0.62 |
| Arsenic, Total | mg/l | 0.16854 | 0.0059 |
| Cadmium, Total | mg/l | 0.0159 | 0.00011 J |
| Chemical Oxygen Demand | mg/l | 120 | 130 |
| Chloride, Total | mg/l | 860 | 46 |
| Iron, Total | mg/l | 1.0 | 1.7 |
| Lead, Total | mg/l | 0.0816 | 0.0023 J |
| Magnesium, Total | mg/l | | 12 |
| Mercury, Total | mg/l | 0.0024 | ND |
| NO2+NO3 as N | mg/l | 0.68 | 0.03 J |
| Oil & Grease (HEM) | mg/l | 15 | ND |
| pH | Units | 6.0-9.0 | nm |
| Phosphorus, Total | mg/l | 2 | nm |
| Selenium, Total | mg/l | 0.2385 | 0.0017 J |
| Silver, Total | mg/l | 0.0318 | ND |
| Total Suspended Solids | mg/l | 100 | 66 |
| Zinc, Total | mg/l | 0.117 | 0.038 |

Notes: J = trace concentration ND=not detected nm = not measured.

Results exceeding benchmark values are highlighted

February 19, 2025

**Lab No. : SP 2501188**
**Customer No. : 2028560**

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

## Laboratory Report

**Introduction:** This report package contains a total of 9 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (6 pages) | : Results for each sample submitted. |
| Quality Control | (2 pages) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab No. | Matrix |
|---|---|---|---|---|
| South Basin-Western Inlet | 01/26/2025 | 01/26/2025 | SP 2501188-001 | STM |
| South Basin-Western Inlet | 01/26/2025 | 01/27/2025 | SP 2501188-001 | STM |
| South Basin-Eastern Inlet | 01/26/2025 | 01/27/2025 | SP 2501188-003 | STM |
| South Basin-Eastern Inlet | 01/26/2025 | 01/26/2025 | SP 2501188-003 | STM |

### Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

| Test Summary | |
|---|---|
| EPA 1664A | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 200.7 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 300.0 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 2540 D | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |

**Certification:** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: RDM

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2025-02-19



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February 19, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin-Western Inlet
Project : Chiquita Canyon Landfill-IGP

**Lab No. : SP 2501188-001**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 26, 2025 at 12:20
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| **Metals, Total** | | | | | | | | | | | | | |
| Iron | 7.96 | 0.05 | 0.0059 | mg/L | 1 | | 02/03/2025 | 07:00 | ejc | EPA 200.7 | 02/04/2025 | 18:04 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Chloride | 39.3 | 1 | 0.085 | mg/L | 1 | b | 02/17/2025 | 08:15 | ldm | EPA 300.0 | 02/17/2025 | 19:43 | ldm |
| Oil and Grease | ND | 3 | 1.6 | mg/L | 1 | Ul | 02/03/2025 | 15:47 | amm | EPA 1664A | 02/04/2025 | 14:18 | amm |
| Solids, Total Suspended (TSS) | 1360 | 40 | 22 | mg/L | 40 | | 01/28/2025 | 09:25 | sta | SM 2540 D | 01/29/2025 | 15:04 | sta |

DQF Flags Definition:
b The Blank was positive for constituent but less than the PQL
U Constituent results were non-detect.
l The MS/MSD did not meet QC criteria.

ND=Non-Detected, RL=Reporting Level



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Castaic, CA 91384

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Project : Chiquita Canyon Landfill-IGP

**Lab No. : SP 2501188-001**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| **Metals, Total** | | | | | | | | | | | | | |
| Iron | 7.96 | 0.05 | 0.0059 | mg/L | 1 | | 02/03/2025 | 07:00 | ejc | EPA 200.7 | 02/04/2025 | 18:04 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Chloride | 39.3 | 1 | 0.085 | mg/L | 1 | b | 02/17/2025 | 08:15 | ldm | EPA 300.0 | 02/17/2025 | 19:43 | ldm |
| Oil and Grease | ND | 3 | 1.6 | mg/L | 1 | Ul | 02/03/2025 | 15:47 | amm | EPA 1664A | 02/04/2025 | 14:18 | amm |
| Solids, Total Suspended (TSS) | 1360 | 40 | 22 | mg/L | 40 | | 01/28/2025 | 09:25 | sta | SM 2540 D | 01/29/2025 | 15:04 | sta |

DQF Flags Definition:
b The Blank was positive for constituent but less than the PQL
U Constituent results were non-detect.
l The MS/MSD did not meet QC criteria.

ND=Non-Detected, RL=Reporting Level



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February 19, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin-Eastern Inlet
Project : Chiquita Canyon Landfill-IGP

**Lab No. : SP 2501188-003**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Iron | 724 | 1.25 | 0.15 | mg/L | 30 | | 02/04/2025 | 09:00 | ejc | EPA 200.7 | 02/10/2025 | 11:39 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Chloride | 67.6 | 1 | 0.085 | mg/L | 1 | | 02/17/2025 | 13:24 | ldm | EPA 300.0 | 02/17/2025 | 18:24 | ldm |
| Oil and Grease | ND | 3 | 1.6 | mg/L | 1 | Ul | 02/03/2025 | 15:47 | amm | EPA 1664A | 02/04/2025 | 14:18 | amm |
| Solids, Total Suspended (TSS) | 42100 | 330 | 180 | mg/L | 300 | | 01/28/2025 | 09:25 | sta | SM 2540 D | 01/29/2025 | 15:04 | sta |

DQF Flags Definition:
U Constituent results were non-detect.
l The MS/MSD did not meet QC criteria.



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February 19, 2025

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29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin-Eastern Inlet
Project : Chiquita Canyon Landfill-IGP

**Lab No. : SP 2501188-003**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Field Test

| Constituent | Result | RL | Units | Note | Sample Preparation | | Sample Analysis | |
|---|---|---|---|---|---|---|---|---|
| **Field Test** | | | | | Method | Date Time | Method | Date Time |
| pH (Field) | 8.29 | | units | | | 01/26/2025 15:30 | 4500HB | 01/26/2025 15:30 |

ND=Non-Detected, RL=Reporting Level



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February 19, 2025

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Description : South Basin-Eastern Inlet
Project : Chiquita Canyon Landfill-IGP

**Lab No. : SP 2501188-003**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 26, 2025 at 12:20
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Iron | 724 | 1.25 | 0.15 | mg/L | 30 | | 02/04/2025 | 09:00 | ejc | EPA 200.7 | 02/10/2025 | 11:39 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Chloride | 67.6 | 1 | 0.085 | mg/L | 1 | | 02/17/2025 | 13:24 | ldm | EPA 300.0 | 02/17/2025 | 18:24 | ldm |
| Oil and Grease | ND | 3 | 1.6 | mg/L | 1 | Ul | 02/03/2025 | 15:47 | amm | EPA 1664A | 02/04/2025 | 14:18 | amm |
| Solids, Total Suspended (TSS) | 42100 | 330 | 180 | mg/L | 300 | | 01/28/2025 | 09:25 | sta | SM 2540 D | 01/29/2025 | 15:04 | sta |

DQF Flags Definition:
U Constituent results were non-detect.
l The MS/MSD did not meet QC criteria.



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Description : South Basin-Eastern Inlet
Project : Chiquita Canyon Landfill-IGP

**Lab No. : SP 2501188-003**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 26, 2025 at 12:20
Matrix : Stormwater

## Sample Results - Field Test

| Constituent | Result | RL | Units | Note | Sample Preparation | | Sample Analysis | |
|---|---|---|---|---|---|---|---|---|
| **Field Test** | | | | | Method | Date Time | Method | Date Time |
| pH (Field) | 8.29 | | units | | | 01/26/2025 15:30 | 4500HB | 01/26/2025 15:30 |

ND=Non-Detected, RL=Reporting Level


Page 7 of 9

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CA ELAP Certification No. 2810

February 19, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501188
Customer No. : 2028560

## Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Iron | 200.7 | 02/03/2025:201179EJC | Blank | mg/L | | ND | <0.05 | |
| | | | LCS | mg/L | 4.000 | 102% | 85-115 | |
| | | | MS | mg/L | 4.000 | 100% | 75-125 | |
| | | (VI 2540658-002) | MSD | mg/L | 4.000 | 97.6% | 75-125 | |
| | | | MSRPD | mg/L | | 2.7% | ≤20 | |
| | | | MS | mg/L | 4.000 | 103% | 75-125 | |
| | | (VI 2540661-002) | MSD | mg/L | 4.000 | 102% | 75-125 | |
| | | | MSRPD | mg/L | | 0.4% | ≤20 | |
| | 200.7 | 02/04/2025:201252EJC | Blank | mg/L | | ND | <0.05 | |
| | | | LCS | mg/L | 4.000 | 106% | 85-115 | |
| | | | MS | mg/L | 4.000 | 112% | 75-125 | |
| | | (VI 2540763-003) | MSD | mg/L | 4.000 | 98.5% | 75-125 | |
| | | | MSRPD | mg/L | | 12.4% | ≤20 | |
| | | | MS | mg/L | 4.000 | 110% | 75-125 | |
| | | (VI 2540763-002) | MSD | mg/L | 4.000 | 104% | 75-125 | |
| | | | MSRPD | mg/L | | 5.4% | ≤20 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND : Non-detect - Result was below the DQO listed for the analyte.



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February 19, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501188
Customer No. : 2028560

## Quality Control - Wet Chem

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Oil and Grease | 1664A | 02/03/2025:201056AMM | Blank | mg/L | | ND | <3 | |
| | | | LCS | mg/L | 44.89 | 85.6% | 78-114 | |
| | | | MS | mg/L | 42.53 | 60.1% | 78-114 | 435 |
| | | (SP 2501415-001) | MSD | mg/L | 42.53 | 79.5% | 78-114 | |
| | | | MSRPD | mg/L | | 26.4% | ≤18 | 435 |
| Solids, Suspended | 2540D | 01/28/2025:200968STA | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 50.00 | 90.0% | 70-115 | |
| | | | LCS | mg/L | 50.00 | 82.0% | 70-115 | |
| | | (SP 2501188-003) | Dup | mg/L | | 18.8% | 20 | |
| | | (SP 2501188-001) | Dup | mg/L | | 4.51% | 20 | |
| Chloride | 300.0 | 02/17/2025:201779LDM | Blank | mg/L | | ND | <1 | |
| | 300.0 | 02/17/2025:201781LDM | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 25.00 | 99.6% | 90-110 | |
| | 300.0 | 02/17/2025:201779LDM | LCS | mg/L | 25.00 | 100% | 90-110 | |
| | | | MS | mg/L | 50.00 | 94.6% | 67-117 | |
| | 300.0 | 02/17/2025:201781LDM | MS | mg/L | 50.00 | 98.3% | 67-117 | |
| | | (STK2531382-001) | MSD | mg/L | 50.00 | 98.0% | 67-117 | |
| | 300.0 | (STK2531285-001) | MSD | mg/L | 50.00 | 95.8% | 67-117 | |
| | 300.0 | 02/17/2025:201781LDM | MSRPD | mg/L | | 0.2% | ≤7 | |
| | 300.0 | 02/17/2025:201779LDM | MSRPD | mg/L | | 0.7% | ≤7 | |
| | | | MS | mg/L | 50.00 | 98.8% | 67-117 | |
| | 300.0 | 02/17/2025:201781LDM | MS | mg/L | 50.00 | 87.6% | 67-117 | |
| | | (VI 2541046-001) | MSD | mg/L | 50.00 | 88.5% | 67-117 | |
| | 300.0 | (VI 2540845-002) | MSD | mg/L | 50.00 | 99.1% | 67-117 | |
| | | | MSRPD | mg/L | | 0.2% | ≤7 | |
| | 300.0 | 02/17/2025:201781LDM | MSRPD | mg/L | | 0.5% | ≤7 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

**Explanation**

435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.



Page 9 of 9

January 30, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

**Coliform Bacteria Analysis**
Lab No. : SP 2501188 1,2
Customer No. : 2028560

System Number : N/A
Project Name : Chiquita Canyon Landfill-IGP

## Analytical Results

| ID | Sample Description | Total | Fecal | E. Coli | Units | Method | Prep | Footnote |
|---|---|---|---|---|---|---|---|---|
| 1 | South Basin-Western Inlet | **35000** | **17000** | **---** | MPN/100ml | SM 9221B | LTB-Series AQ | |
| 2 | South Basin-Western Inlet-Dup | **>24196** | **---** | **9208** | MPN/100ml | SM 9223B | QTray 2000 | |

N/R Not Required MPN Most Probable Number A/P Absence/Presence

**Result Interpretation**

The sample(s) listed above are Waste-Other
ID 2) South Basin-Western Inlet-Dup: Total Coliform by SM 9223B wastewater results cannot be used for compliance.***

*** California ELAP does not offer certification for Total Coliform by SM 9223B wastewater.

## Sample Handling Information

| ID | Sample Number | System Number | Sample Type/Reason | Sampler | Employed By | Sampled |
|---|---|---|---|---|---|---|
| 1 | SP 2501188-001 | N/A | Waste-Other | Blanca H/Isaac H | Chiquita Canyon Land | 2025-01-26 09:30 |
| 2 | SP 2501188-002 | N/A | Waste-Other | Blanca H/Isaac H | Chiquita Canyon Land | 2025-01-26 09:30 |

## Field Analysis/QA Information

| ID | Sample Description | Cl Total/Free | Temp | Analysis Started | Analysis Completed | Contact | Contacted |
|---|---|---|---|---|---|---|---|
| | | mg/l | | | | | |
| 1 | South Basin-Western Inlet | ---/--- | --- | 2025-01-26 12:58 abl | 2025-01-28 12:01 abl | N/R | |
| 2 | South Basin-Western Inlet-Dup | ---/--- | --- | 2025-01-26 12:51 abl | 2025-01-27 14:55 eam | N/R | |

Analyses were performed at the FGL Santa Paula Laboratory using Standard Methods 20th edition. If you have any questions regarding your results, please call. The FGL Santa Paula Laboratory is certified by California ELAP #1573 and accredited to ISO/IEC 17025:2017 by PJLA certificate #75605,Testing.

Prepared By: RRH

Reviewed and Approved By **Raquel R. Harvey** Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2025-01-30



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ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

**Special**

# CHAIN OF CUSTODY
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Laboratory Copy (1 of 2)

6278:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **Chiquita Canyon Landfill**
Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:
Contact Person: Matt Breuer
Project Name: **Chiquita Canyon Landfill-IGP**
Purchase Order Number:
Quote Number: **SP 20241121-05**

Sampler(s) BLANCA HOFFMEIER
Isaac Hoffmeier

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 25011188 2-28560

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Coliform - LTB Series 25 Tube 250ml(PBa)-Na2S2O3 | Metals, Total-Fe 250ml(P)-HNO3 | Wet Chemistry-TSS 1000ml(P) | Wet Chemistry-Cl 16oz(P) | Wet Chemistry-Oil&Grease-1664 32oz(AGJ)-H2SO4 | Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!! | Field - pH Date | Field - pH Time | Coliform-QTray 2000 ***Shares Volume with LTB Series 25 Tube*** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin-Western Inlet | 1/26/25 | 9:30am | G | STM | | | | 1 | 1 | 1 | 1 | 1 | "ERROR" | | N/A | | | | |
| 2 | South Basin-Western Inlet-Dup | ~~1/26/25~~ | 9:30am | G | STM | | | | | | | | | | | | X | | | |
| 3 | South Basin-Eastern Inlet | 1/26/25 | 3:30pm | G | STM | | | | 1 | 1 | 1 | 1 | 1 | 8.29 | 1/26 | 3:45 | | | | |
| 4 | South Basin-Eastern Inlet-Dup | 1/26/25 | 3:30pm | G | STM | | | | | | | | | | | | X | | | |
| | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | |

Remarks:
***NOTE: Duplicates Required for Coliform Reporting***

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| BLANCA HOFFMEIER | 1/27/25 | 9:45am | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| MC | 1/27/25 | 9:45 | | | | | | |


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ENVIRONMENTAL FGL AGRICULTURAL
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# Special

# CHAIN OF CUSTODY
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Laboratory Copy (1 of 2)

6278:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **Chiquita Canyon Landfill**

Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:

Contact Person: Matt Breuer

Project Name: **Chiquita Canyon Landfill-IGP**

Purchase Order Number:

Quote Number: **SP 20241121-05**

Sampler(s) BLANCA HOFFMEIER

Sampling Fee: _____ Pickup Fee: _____

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 7501144 **2-28560**

Method of Sampling: Composite(C) Grab(G)
Type of Sample **SEE REVERSE SIDE**
Potable(P) Non-Potable(NP) Ag Water(AgW)
Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)
Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)
Coliform - LTB Series 25 Tube 250ml(PBa)-Na2S2O3
Metals, Total-Fe 250ml(P)-HNO3
Wet Chemistry-TSS 1000ml(P)
Wet Chemistry-Cl 16oz(P)
Wet Chemistry-Oil&Grease-1664 32oz(AGJ)-H2SO4
Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!
Field - pH Date
Field - pH Time
Coliform-QTray 2000 ***Shares Volume with LTB Series 25 Tube***

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling | Type of Sample | Potable(P) | Non-Potable(NP) | Ag Water(AgW) | Bacti Type: Other(O) | System(SYS) | Source(SR) | Waste(W) | Bacti Reason: Routine(ROUT) | Repeat(RPT) | Replace(RPL) | Other(O) | Special(SPL) | Coliform - LTB Series 25 Tube 250ml(PBa)-Na2S2O3 | Metals, Total-Fe 250ml(P)-HNO3 | Wet Chemistry-TSS 1000ml(P) | Wet Chemistry-Cl 16oz(P) | Wet Chemistry-Oil&Grease-1664 32oz(AGJ)-H2SO4 | Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!! | Field - pH Date | Field - pH Time | Coliform-QTray 2000 ***Shares Volume with LTB Series 25 Tube*** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin-Western Inlet | 1/26/25 | 9:30am | G | STM | | | | | | | | | | | | | 1 | ~~1~~ | 1 | 1 | ~~1~~ | "ERROR" | 1/26 | 9:45 | |
| 2 | South Basin-Western Inlet-Dup | | | G | STM | | | | | | | | | | | | | | | | | | | | | X |
| 3 | South Basin-Eastern Inlet | | | G | STM | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | | | | |
| 4 | South Basin-Eastern Inlet-Dup | | | G | STM | | | | | | | | | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Remarks:
***NOTE: Duplicates Required for Coliform Reporting***
Metals/wet chem samples not delivered per Blanca Hoffmeier - ABL
11.6°C

| Relinquished | Date: | Time: |
|---|---|---|
| BLANCA HOFFMEIER | 1/26/2025 | 12:00 pm |

| Received By: | Date: | Time: |
|---|---|---|
| FGL Cooler | 1/26/25 | 1200 |

| Relinquished | Date: | Time: |
|---|---|---|
| FGL Cooler | 1/26/25 | 1220 |

| Received By: | Date: | Time: |
|---|---|---|
| Anthony Leal | 1/26/25 | 1220 |

| Relinquished | Date: | Time: |
|---|---|---|
| | | |

| Received By: | Date: | Time: |
|---|---|---|
| | | |


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# Condition Upon Receipt (Attach to COC) SP 2501188

**Sample Receipt at SP:**

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking number(s) _____
3. Temp IR Gun ID#: **TH268**
4. Were samples received on Ice? **[Yes]** **No** Temps: **ROI** / **11C** / **14C** / _____ / _____ / _____
5. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
6. Do the number of bottles received agree with the COC? **Yes** **[No]** **N/A**
7. Verify sample date, time, sampler **[Yes]** **No**
8. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **[Yes]** **No**

**Sample Verification, Labeling and Distribution:**

1. Were all requested analyses understood and acceptable? **[Yes]** **No**
2. Did bottle labels correspond with the client's ID's? **[Yes]** **No**
3. Were all bottles requiring sample preservation properly preserved? **[Yes]** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **No** **[N/A]**
5. Were all analyses within holding times at time of receipt? **[Yes]** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **[N/A]**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 02/19/2025-15:41:32

**Discrepency Documentation:**

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: Blanca Hoffmeier Phone Number: _____
   Initiated By: MDC Date: _____
   Problem: **Missing bacti sample containers for samples 3 & 4**

   Resolution: **Per Blanca, this was not collected.**

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2028560)
Chiquita Canyon Landfill
**SP 2501188**
MDC-02/19/2025-15:41:32

February 11, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

**Subject: Subcontract Analysis for FGL Lab No. SP 2501205**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 625.1 Semi VOA EXTENDED LIST a- Terpineol, p-Cresol, Napthalene, Benzoic AcidPyridine and Phenol

Please note that this analysis was performed by Weck Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2025-02-11

Enclosure

WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

## Work Order 5A29073

**Project Name:** FGL Environmental
**Project Number:** SP 2501205

**P.O. #:**

**Attn:** Cindy Aguirre
**Client:** FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

**Report Date:** 2/10/2025
**Received Date:** 1/29/2025 11:30 am
**Turnaround Time:** Normal
**Billing Code:**

**Phones:** (805) 392-2012
**Fax:** (805) 525-4172

## Sample Conditions

| | | | |
|---|---|---|---|
| Temperature | 1.80 C | | |
| COC present | ✓ | COC completed properly | ✓ |
| COC matches sample labels | ✓ | Wet ice | ✓ |
| Blue ice | | Sample(s) intact | ✓ |
| Sample(s) using proper containers | ✓ | Sample(s) have sufficient sample volume | ✓ |
| Sample(s) received within hold time | ✓ | Sample(s) labels have correct preservation | ✓ |
| Sample(s) have acceptable pH | ✓ | Sample(s) have acceptable Cl | ✓ |

## Sample Results

### Sample: South Basin - Western Inlet

5A29073-01 (Water)

Sampled: 01/26/25 9:30 by Blanca H / Isaac H

| Analyte | Result | MDL | MRL | Units | Dil | Analyzed | Qualifier |
|---|---|---|---|---|---|---|---|
| **Acid and Base/Neutral Extractables by GC/MS** | | | | | | | |
| **Method:** EPA 625.1 | | | | **Instr:** GCMS06 | | | |
| **Batch ID:** W5A2115 | **Preparation:** EPA 625/L-L SF | | | **Prepared:** 01/31/25 10:06 | | | **Analyst:** rmr |
| 3 & 4-Methylphenol | ND | 13 | 25 | ug/l | 1 | 02/07/25 | M-02 |
| **alpha-Terpineol** | **19** | 11 | 25 | ug/l | 1 | 02/07/25 | J, M-02 |
| Benzoic acid | ND | 120 | 2500 | ug/l | 1 | 02/07/25 | M-02 |
| Naphthalene | ND | 12 | 25 | ug/l | 1 | 02/07/25 | M-02 |
| Phenol | ND | 3.5 | 25 | ug/l | 1 | 02/07/25 | M-02 |
| Pyridine | ND | 45 | 120 | ug/l | 1 | 02/07/25 | M-02 |
| *Surrogate(s)* | | | | | | | |
| *2,4,6-Tribromophenol* | *98%* | | *25-120* | *Conc: 976* | | *02/07/25* | |
| *2-Fluorobiphenyl* | *92%* | | *22-120* | *Conc: 462* | | *02/07/25* | |
| *2-Fluorophenol* | *56%* | | *17-120* | *Conc: 564* | | *02/07/25* | |
| *Nitrobenzene-d5* | *95%* | | *47-120* | *Conc: 475* | | *02/07/25* | |
| *Phenol-d5* | *35%* | | *12-120* | *Conc: 346* | | *02/07/25* | |
| *Terphenyl-d14* | *128%* | | *44-129* | *Conc: 641* | | *02/07/25* | |

## Sample Results

(Continued)

### Sample: South Basin - Western Inlet

(Continued)

5A29073-01 (Water)

Sampled: 01/26/25 9:30 by Blanca H / Isaac H

| Analyte | Result | MDL | MRL | Units | Dil | Analyzed | Qualifier |
|---|---|---|---|---|---|---|---|
| **Method:** EPA 625.1 | | | **Instr:** GCMS06 | | | | |
| **Batch ID:** W5A2115 | **Preparation:** EPA 625/L-L SF | | **Prepared:** 01/31/25 10:06 | | | **Analyst:** rmr | |

### Sample: South Basin - Eastern Inlet

5A29073-02 (Water)

Sampled: 01/26/25 15:30 by Blanca H / Isaac H

| Analyte | Result | MDL | MRL | Units | Dil | Analyzed | Qualifier |
|---|---|---|---|---|---|---|---|
| Acid and Base/Neutral Extractables by GC/MS | | | | | | | |
| **Method:** EPA 625.1 | | | **Instr:** GCMS06 | | | | |
| **Batch ID:** W5A2115 | **Preparation:** EPA 625/L-L SF | | **Prepared:** 01/31/25 10:06 | | | **Analyst:** rmr | |
| 3 & 4-Methylphenol | ND | 25 | 50 | ug/l | 2 | 02/07/25 | M-02, M-04 |
| alpha-Terpineol | ND | 22 | 50 | ug/l | 2 | 02/07/25 | M-02, M-04 |
| Benzoic acid | ND | 230 | 5000 | ug/l | 2 | 02/07/25 | M-02, M-04 |
| Naphthalene | ND | 24 | 50 | ug/l | 2 | 02/07/25 | M-02, M-04 |
| Phenol | ND | 7.0 | 50 | ug/l | 2 | 02/07/25 | M-02, M-04 |
| Pyridine | ND | 90 | 250 | ug/l | 2 | 02/07/25 | M-02, M-04 |
| *Surrogate(s)* | | | | | | | |
| *2,4,6-Tribromophenol* | *88%* | | *25-120* | *Conc: 880* | | *02/07/25* | |
| *2-Fluorobiphenyl* | *82%* | | *22-120* | *Conc: 408* | | *02/07/25* | |
| *2-Fluorophenol* | *53%* | | *17-120* | *Conc: 528* | | *02/07/25* | |
| *Nitrobenzene-d5* | *87%* | | *47-120* | *Conc: 436* | | *02/07/25* | |
| *Phenol-d5* | *31%* | | *12-120* | *Conc: 313* | | *02/07/25* | |
| *Terphenyl-d14* | *99%* | | *44-129* | *Conc: 497* | | *02/07/25* | |

# Quality Control Results

## Acid and Base/Neutral Extractables by GC/MS

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Blank (W5A2115-BLK1) | | | | | Prepared: 01/31/25 Analyzed: 02/06/25 | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 0.49 | 1.0 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.46 | 1.0 | ug/l | | | | | | | |
| 1,2-Diphenylhydrazine/Azobenzene | ND | 0.30 | 1.0 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.42 | 1.0 | ug/l | | | | | | | |
| 1,3-Dinitrobenzene | ND | 0.21 | 1.0 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.48 | 1.0 | ug/l | | | | | | | |
| 1-Methylnaphthalene | ND | 0.47 | 1.0 | ug/l | | | | | | | |
| 2,4,5-Trichlorophenol | ND | 0.23 | 1.0 | ug/l | | | | | | | |
| 2,4,6-Trichlorophenol | ND | 0.22 | 1.0 | ug/l | | | | | | | |
| 2,4-Dichlorophenol | ND | 0.26 | 1.0 | ug/l | | | | | | | |
| 2,4-Dimethylphenol | ND | 0.76 | 1.0 | ug/l | | | | | | | |
| 2,4-Dinitrophenol | ND | 4.4 | 10 | ug/l | | | | | | | |
| 2,4-Dinitrotoluene | ND | 0.46 | 1.0 | ug/l | | | | | | | |
| 2,6-Dinitrotoluene | ND | 0.27 | 1.0 | ug/l | | | | | | | |
| 2-Chloronaphthalene | ND | 0.45 | 1.0 | ug/l | | | | | | | |
| 2-Chlorophenol | ND | 0.28 | 1.0 | ug/l | | | | | | | |
| 2-Methyl-4,6-dinitrophenol | ND | 2.4 | 5.0 | ug/l | | | | | | | |
| 2-Methylnaphthalene | ND | 0.49 | 1.0 | ug/l | | | | | | | |
| 2-Methylphenol | ND | 0.48 | 1.0 | ug/l | | | | | | | |
| 2-Nitroaniline | ND | 0.44 | 1.0 | ug/l | | | | | | | |
| 2-Nitrophenol | ND | 0.26 | 1.0 | ug/l | | | | | | | |
| 3 & 4-Methylphenol | ND | 0.50 | 1.0 | ug/l | | | | | | | |
| 3,3'-Dichlorobenzidine | ND | 2.5 | 5.0 | ug/l | | | | | | | |
| 3-Nitroaniline | ND | 0.26 | 1.0 | ug/l | | | | | | | |
| 4-Bromophenyl phenyl ether | ND | 0.36 | 1.0 | ug/l | | | | | | | |
| 4-Chloro-3-methylphenol | ND | 0.23 | 1.0 | ug/l | | | | | | | |
| 4-Chloroaniline | ND | 0.48 | 1.0 | ug/l | | | | | | | |
| 4-Chlorophenyl phenyl ether | ND | 0.41 | 1.0 | ug/l | | | | | | | |
| 4-Nitroaniline | ND | 0.41 | 1.0 | ug/l | | | | | | | |
| 4-Nitrophenol | ND | 1.2 | 5.0 | ug/l | | | | | | | |
| Acenaphthene | ND | 0.38 | 1.0 | ug/l | | | | | | | |
| Acenaphthylene | ND | 0.35 | 1.0 | ug/l | | | | | | | |
| Aniline | ND | 0.66 | 1.0 | ug/l | | | | | | | |
| Anthracene | ND | 0.41 | 1.0 | ug/l | | | | | | | |
| Benzidine | ND | 3.2 | 10 | ug/l | | | | | | | |
| Benzo (a) anthracene | ND | 0.46 | 1.0 | ug/l | | | | | | | |
| Benzo (a) pyrene | ND | 0.82 | 1.0 | ug/l | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.46 | 1.0 | ug/l | | | | | | | |

## Quality Control Results

(Continued)

### Acid and Base/Neutral Extractables by GC/MS (Continued)

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Blank (W5A2115-BLK1) | | | | | Prepared: 01/31/25 Analyzed: 02/06/25 | | | | | | |
| Benzo (g,h,i) perylene | ND | 0.42 | 2.0 | ug/l | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.72 | 1.0 | ug/l | | | | | | | |
| Benzoic acid | ND | 4.6 | 100 | ug/l | | | | | | | |
| Benzyl alcohol | ND | 0.26 | 1.0 | ug/l | | | | | | | |
| Bis(2-chloroethoxy)methane | ND | 0.25 | 1.0 | ug/l | | | | | | | |
| Bis(2-chloroethyl)ether | ND | 0.27 | 1.0 | ug/l | | | | | | | |
| Bis(2-chloroisopropyl) ether | ND | 0.38 | 1.0 | ug/l | | | | | | | |
| Bis(2-ethylhexyl)phthalate | ND | 2.3 | 5.0 | ug/l | | | | | | | |
| Butyl benzyl phthalate | ND | 0.49 | 1.0 | ug/l | | | | | | | |
| Carbazole | ND | 0.20 | 1.0 | ug/l | | | | | | | |
| Chrysene | ND | 0.19 | 1.0 | ug/l | | | | | | | |
| Dibenzo (a,h) anthracene | ND | 0.60 | 2.0 | ug/l | | | | | | | |
| Dibenzofuran | ND | 0.37 | 1.0 | ug/l | | | | | | | |
| Diethyl phthalate | ND | 0.35 | 1.0 | ug/l | | | | | | | |
| Dimethyl phthalate | ND | 0.18 | 1.0 | ug/l | | | | | | | |
| Di-n-butyl phthalate | ND | 0.34 | 1.0 | ug/l | | | | | | | |
| Di-n-octyl phthalate | ND | 0.46 | 1.0 | ug/l | | | | | | | |
| Fluoranthene | ND | 0.35 | 1.0 | ug/l | | | | | | | |
| Fluorene | ND | 0.35 | 1.0 | ug/l | | | | | | | |
| Hexachlorobenzene | ND | 0.24 | 1.0 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 0.47 | 1.0 | ug/l | | | | | | | |
| Hexachlorocyclopentadiene | ND | 1.5 | 5.0 | ug/l | | | | | | | |
| Hexachloroethane | ND | 0.50 | 1.0 | ug/l | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.66 | 2.0 | ug/l | | | | | | | |
| Isophorone | ND | 0.21 | 1.0 | ug/l | | | | | | | |
| Naphthalene | ND | 0.49 | 1.0 | ug/l | | | | | | | |
| Nitrobenzene | ND | 0.36 | 1.0 | ug/l | | | | | | | |
| N-Nitrosodimethylamine | ND | 0.50 | 1.0 | ug/l | | | | | | | |
| N-Nitrosodi-n-propylamine | ND | 0.26 | 1.0 | ug/l | | | | | | | |
| N-Nitrosodiphenylamine | ND | 0.19 | 1.0 | ug/l | | | | | | | |
| Pentachlorophenol | ND | 0.40 | 1.0 | ug/l | | | | | | | |
| Phenanthrene | ND | 0.32 | 1.0 | ug/l | | | | | | | |
| Phenol | ND | 0.14 | 1.0 | ug/l | | | | | | | |
| Pyrene | ND | 0.25 | 1.0 | ug/l | | | | | | | |
| Pyridine | ND | 1.8 | 5.0 | ug/l | | | | | | | |
| *Surrogate(s)* | | | | | | | | | | | |
| *2,4,6-Tribromophenol* | *37.5* | | | *ug/l* | *40.0* | | *94* | *25-120* | | | |

## Quality Control Results

(Continued)

### Acid and Base/Neutral Extractables by GC/MS (Continued)

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Blank (W5A2115-BLK1) | | | | | Prepared: 01/31/25 Analyzed: 02/06/25 | | | | | | |
| *Surrogate(s)* | | | | | | | | | | | |
| *2-Fluorobiphenyl* | *17.5* | | | *ug/l* | *20.0* | | *87* | *22-120* | | | |
| *2-Fluorophenol* | *23.8* | | | *ug/l* | *40.0* | | *59* | *17-120* | | | |
| *Nitrobenzene-d5* | *17.7* | | | *ug/l* | *20.0* | | *88* | *47-120* | | | |
| *Phenol-d5* | *14.8* | | | *ug/l* | *40.0* | | *37* | *12-120* | | | |
| *Terphenyl-d14* | *27.2* | | | *ug/l* | *20.0* | | *136* | *44-129* | | | *S-11* |
| LCS (W5A2115-BS1) | | | | | Prepared: 01/31/25 Analyzed: 02/06/25 | | | | | | |
| 1,2,4-Trichlorobenzene | 17.0 | 0.49 | 1.0 | ug/l | 20.0 | | 85 | 57-130 | | | |
| 1,2-Dichlorobenzene | 15.9 | 0.46 | 1.0 | ug/l | 20.0 | | 79 | 57-120 | | | |
| 1,3-Dichlorobenzene | 15.4 | 0.42 | 1.0 | ug/l | 20.0 | | 77 | 55-120 | | | |
| 1,4-Dichlorobenzene | 15.5 | 0.48 | 1.0 | ug/l | 20.0 | | 78 | 55-120 | | | |
| 2,4,6-Trichlorophenol | 17.7 | 0.22 | 1.0 | ug/l | 20.0 | | 88 | 52-129 | | | |
| 2,4-Dichlorophenol | 18.0 | 0.26 | 1.0 | ug/l | 20.0 | | 90 | 53-122 | | | |
| 2,4-Dimethylphenol | 19.2 | 0.76 | 1.0 | ug/l | 20.0 | | 96 | 42-120 | | | |
| 2,4-Dinitrophenol | 18.9 | 4.4 | 10 | ug/l | 20.0 | | 94 | 0.1-173 | | | |
| 2,4-Dinitrotoluene | 17.3 | 0.46 | 1.0 | ug/l | 20.0 | | 86 | 48-127 | | | |
| 2,6-Dinitrotoluene | 17.1 | 0.27 | 1.0 | ug/l | 20.0 | | 85 | 68-137 | | | |
| 2-Chloronaphthalene | 16.3 | 0.45 | 1.0 | ug/l | 20.0 | | 82 | 65-120 | | | |
| 2-Chlorophenol | 15.1 | 0.28 | 1.0 | ug/l | 20.0 | | 75 | 36-120 | | | |
| 2-Methyl-4,6-dinitrophenol | 19.8 | 2.4 | 5.0 | ug/l | 20.0 | | 99 | 53-130 | | | |
| 2-Nitrophenol | 17.6 | 0.26 | 1.0 | ug/l | 20.0 | | 88 | 45-167 | | | |
| 3,3'-Dichlorobenzidine | 0.378 | 0.0 | 5.0 | ug/l | 20.0 | | 2 | 8-213 | | | J, Q-02 |
| 4-Bromophenyl phenyl ether | 18.9 | 0.36 | 1.0 | ug/l | 20.0 | | 94 | 65-120 | | | |
| 4-Chloro-3-methylphenol | 16.9 | 0.23 | 1.0 | ug/l | 20.0 | | 85 | 41-128 | | | |
| 4-Chlorophenyl phenyl ether | 17.6 | 0.41 | 1.0 | ug/l | 20.0 | | 88 | 38-145 | | | |
| 4-Nitrophenol | 8.55 | 1.2 | 5.0 | ug/l | 20.0 | | 43 | 13-129 | | | |
| Acenaphthene | 15.7 | 0.38 | 1.0 | ug/l | 20.0 | | 78 | 60-132 | | | |
| Acenaphthylene | 17.0 | 0.35 | 1.0 | ug/l | 20.0 | | 85 | 54-126 | | | |
| alpha-Terpineol | 16.3 | 0.44 | 1.0 | ug/l | 20.0 | | 82 | 60-140 | | | |
| Anthracene | 16.5 | 0.41 | 1.0 | ug/l | 20.0 | | 83 | 43-120 | | | |
| Benzo (a) anthracene | 19.1 | 0.46 | 1.0 | ug/l | 20.0 | | 96 | 42-133 | | | |
| Benzo (a) pyrene | 18.7 | 0.82 | 1.0 | ug/l | 20.0 | | 93 | 32-148 | | | |
| Benzo (b) fluoranthene | 19.1 | 0.46 | 1.0 | ug/l | 20.0 | | 96 | 42-140 | | | AN-IP |
| Benzo (g,h,i) perylene | 20.6 | 0.42 | 2.0 | ug/l | 20.0 | | 103 | 0.1-195 | | | |
| Benzo (k) fluoranthene | 18.2 | 0.72 | 1.0 | ug/l | 20.0 | | 91 | 25-146 | | | AN-IP |
| Bis(2-chloroethoxy)methane | 16.8 | 0.25 | 1.0 | ug/l | 20.0 | | 84 | 49-165 | | | |
| Bis(2-chloroethyl)ether | 14.8 | 0.27 | 1.0 | ug/l | 20.0 | | 74 | 43-126 | | | |

## Quality Control Results

(Continued)

### Acid and Base/Neutral Extractables by GC/MS (Continued)

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LCS (W5A2115-BS1) | | | | | Prepared: 01/31/25 Analyzed: 02/06/25 | | | | | | |
| Bis(2-chloroisopropyl) ether | 14.9 | 0.38 | 1.0 | ug/l | 20.0 | | 74 | 63-139 | | | |
| Bis(2-ethylhexyl)phthalate | 18.9 | 2.3 | 5.0 | ug/l | 20.0 | | 95 | 29-137 | | | |
| Butyl benzyl phthalate | 20.0 | 0.49 | 1.0 | ug/l | 20.0 | | 100 | 0.1-140 | | | |
| Chrysene | 15.9 | 0.19 | 1.0 | ug/l | 20.0 | | 80 | 44-140 | | | |
| Dibenzo (a,h) anthracene | 17.9 | 0.60 | 2.0 | ug/l | 20.0 | | 89 | 0.1-200 | | | |
| Diethyl phthalate | 18.0 | 0.35 | 1.0 | ug/l | 20.0 | | 90 | 0.1-120 | | | |
| Dimethyl phthalate | 17.2 | 0.18 | 1.0 | ug/l | 20.0 | | 86 | 0.1-120 | | | |
| Di-n-butyl phthalate | 16.5 | 0.34 | 1.0 | ug/l | 20.0 | | 83 | 8-120 | | | |
| Di-n-octyl phthalate | 17.5 | 0.46 | 1.0 | ug/l | 20.0 | | 88 | 19-132 | | | |
| Fluoranthene | 18.2 | 0.35 | 1.0 | ug/l | 20.0 | | 91 | 43-121 | | | |
| Fluorene | 17.7 | 0.35 | 1.0 | ug/l | 20.0 | | 89 | 70-120 | | | |
| Hexachlorobenzene | 18.6 | 0.24 | 1.0 | ug/l | 20.0 | | 93 | 8-142 | | | |
| Hexachlorobutadiene | 17.1 | 0.47 | 1.0 | ug/l | 20.0 | | 86 | 38-120 | | | |
| Hexachlorocyclopentadiene | 14.0 | 1.5 | 5.0 | ug/l | 20.0 | | 70 | 10-120 | | | |
| Hexachloroethane | 16.7 | 0.50 | 1.0 | ug/l | 20.0 | | 84 | 55-120 | | | |
| Indeno (1,2,3-cd) pyrene | 17.3 | 0.66 | 2.0 | ug/l | 20.0 | | 86 | 0.1-151 | | | |
| Isophorone | 16.0 | 0.21 | 1.0 | ug/l | 20.0 | | 80 | 47-180 | | | |
| Naphthalene | 15.7 | 0.49 | 1.0 | ug/l | 20.0 | | 79 | 36-120 | | | |
| Nitrobenzene | 15.4 | 0.36 | 1.0 | ug/l | 20.0 | | 77 | 54-158 | | | |
| N-Nitrosodimethylamine | 10.8 | 0.50 | 1.0 | ug/l | 20.0 | | 54 | 22-120 | | | |
| N-Nitrosodi-n-propylamine | 15.4 | 0.26 | 1.0 | ug/l | 20.0 | | 77 | 14-198 | | | |
| N-Nitrosodiphenylamine | 14.5 | 0.19 | 1.0 | ug/l | 20.0 | | 73 | 47-120 | | | |
| Pentachlorophenol | 17.5 | 0.40 | 1.0 | ug/l | 20.0 | | 87 | 41-120 | | | |
| Phenanthrene | 17.8 | 0.32 | 1.0 | ug/l | 20.0 | | 89 | 65-120 | | | |
| Phenol | 6.13 | 0.14 | 1.0 | ug/l | 20.0 | | 31 | 17-120 | | | |
| Pyrene | 17.1 | 0.25 | 1.0 | ug/l | 20.0 | | 86 | 70-120 | | | |
| *Surrogate(s)* | | | | | | | | | | | |
| *2,4,6-Tribromophenol* | *41.4* | | | *ug/l* | *40.0* | | *103* | *25-120* | | | |
| *2-Fluorobiphenyl* | *16.5* | | | *ug/l* | *20.0* | | *83* | *22-120* | | | |
| *2-Fluorophenol* | *22.7* | | | *ug/l* | *40.0* | | *57* | *17-120* | | | |
| *Nitrobenzene-d5* | *17.1* | | | *ug/l* | *20.0* | | *86* | *47-120* | | | |
| *Phenol-d5* | *13.7* | | | *ug/l* | *40.0* | | *34* | *12-120* | | | |
| *Terphenyl-d14* | *24.5* | | | *ug/l* | *20.0* | | *122* | *44-129* | | | |
| Matrix Spike (W5A2115-MS1) | | | | Source: 5A08002-03 | Prepared: 01/31/25 Analyzed: 02/06/25 | | | | | | |
| 1,2,4-Trichlorobenzene | 15.4 | 0.49 | 1.0 | ug/l | 18.9 | *ND* | 81 | 44-142 | | | |
| 1,2-Dichlorobenzene | 17.2 | 0.46 | 1.0 | ug/l | 18.9 | *ND* | 91 | 51-120 | | | |
| 1,3-Dichlorobenzene | 13.8 | 0.42 | 1.0 | ug/l | 18.9 | *ND* | 73 | 37-120 | | | |

## Quality Control Results

(Continued)

### Acid and Base/Neutral Extractables by GC/MS (Continued)

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Matrix Spike (W5A2115-MS1) | Source: 5A08002-03 | | | | Prepared: 01/31/25 | Analyzed: 02/06/25 | | | | | |
| 1,4-Dichlorobenzene | 13.9 | 0.48 | 1.0 | ug/l | 18.9 | ND | 74 | 39-120 | | | |
| 2,4,6-Trichlorophenol | 13.8 | 0.22 | 1.0 | ug/l | 18.9 | ND | 73 | 37-144 | | | |
| 2,4-Dichlorophenol | 15.2 | 0.26 | 1.0 | ug/l | 18.9 | ND | 80 | 39-135 | | | |
| 2,4-Dimethylphenol | 7.60 | 0.76 | 1.0 | ug/l | 18.9 | ND | 40 | 32-120 | | | |
| 2,4-Dinitrophenol | 16.6 | 4.4 | 10 | ug/l | 18.9 | ND | 88 | 0.1-191 | | | |
| 2,4-Dinitrotoluene | 15.2 | 0.46 | 1.0 | ug/l | 18.9 | ND | 80 | 39-139 | | | |
| 2,6-Dinitrotoluene | 15.9 | 0.27 | 1.0 | ug/l | 18.9 | ND | 84 | 50-158 | | | |
| 2-Chloronaphthalene | 14.0 | 0.45 | 1.0 | ug/l | 18.9 | ND | 74 | 60-120 | | | |
| 2-Chlorophenol | 12.6 | 0.28 | 1.0 | ug/l | 18.9 | ND | 67 | 23-134 | | | |
| 2-Methyl-4,6-dinitrophenol | 16.0 | 2.4 | 5.0 | ug/l | 18.9 | ND | 84 | 0.1-181 | | | |
| 2-Nitrophenol | 15.0 | 0.26 | 1.0 | ug/l | 18.9 | ND | 79 | 29-182 | | | |
| 3,3'-Dichlorobenzidine | ND | 2.5 | 5.0 | ug/l | 18.9 | ND | | 0.1-262 | | | Q-02 |
| 4-Bromophenyl phenyl ether | 14.4 | 0.36 | 1.0 | ug/l | 18.9 | ND | 76 | 53-127 | | | |
| 4-Chloro-3-methylphenol | 14.7 | 0.23 | 1.0 | ug/l | 18.9 | ND | 78 | 22-147 | | | |
| 4-Chlorophenyl phenyl ether | 14.7 | 0.41 | 1.0 | ug/l | 18.9 | ND | 78 | 25-158 | | | |
| 4-Nitrophenol | 6.61 | 1.2 | 5.0 | ug/l | 18.9 | ND | 35 | 0.1-132 | | | |
| Acenaphthene | 13.7 | 0.38 | 1.0 | ug/l | 18.9 | ND | 72 | 47-145 | | | |
| Acenaphthylene | 14.1 | 0.35 | 1.0 | ug/l | 18.9 | ND | 75 | 33-145 | | | |
| Anthracene | 12.8 | 0.41 | 1.0 | ug/l | 18.9 | ND | 68 | 27-133 | | | |
| Benzo (a) anthracene | 12.1 | 0.46 | 1.0 | ug/l | 18.9 | ND | 64 | 33-143 | | | |
| Benzo (a) pyrene | 11.6 | 0.82 | 1.0 | ug/l | 18.9 | ND | 61 | 17-163 | | | |
| Benzo (b) fluoranthene | 12.8 | 0.46 | 1.0 | ug/l | 18.9 | ND | 68 | 24-159 | | | AN-IP |
| Benzo (g,h,i) perylene | 13.4 | 0.42 | 2.0 | ug/l | 18.9 | ND | 71 | 0.1-219 | | | |
| Benzo (k) fluoranthene | 11.4 | 0.72 | 1.0 | ug/l | 18.9 | ND | 60 | 11-162 | | | AN-IP |
| Bis(2-chloroethoxy)methane | 15.3 | 0.25 | 1.0 | ug/l | 18.9 | ND | 81 | 33-184 | | | |
| Bis(2-chloroethyl)ether | 13.3 | 0.27 | 1.0 | ug/l | 18.9 | ND | 71 | 12-158 | | | |
| Bis(2-chloroisopropyl) ether | 13.9 | 0.38 | 1.0 | ug/l | 18.9 | ND | 73 | 36-166 | | | |
| Bis(2-ethylhexyl)phthalate | 12.5 | 2.3 | 5.0 | ug/l | 18.9 | ND | 66 | 8-158 | | | |
| Butyl benzyl phthalate | 14.7 | 0.49 | 1.0 | ug/l | 18.9 | ND | 78 | 0.1-152 | | | |
| Chrysene | 11.2 | 0.19 | 1.0 | ug/l | 18.9 | ND | 59 | 17-168 | | | |
| Dibenzo (a,h) anthracene | 11.6 | 0.60 | 2.0 | ug/l | 18.9 | ND | 61 | 0.1-227 | | | |
| Diethyl phthalate | 15.4 | 0.35 | 1.0 | ug/l | 18.9 | ND | 82 | 0.1-120 | | | |
| Dimethyl phthalate | 14.4 | 0.18 | 1.0 | ug/l | 18.9 | ND | 76 | 0.1-120 | | | |
| Di-n-butyl phthalate | 13.1 | 0.34 | 1.0 | ug/l | 18.9 | ND | 69 | 1-120 | | | |
| Di-n-octyl phthalate | 12.4 | 0.46 | 1.0 | ug/l | 18.9 | ND | 65 | 4-146 | | | |
| Fluoranthene | 12.3 | 0.35 | 1.0 | ug/l | 18.9 | ND | 65 | 26-137 | | | |
| Fluorene | 15.3 | 0.35 | 1.0 | ug/l | 18.9 | ND | 81 | 59-121 | | | |
| Hexachlorobenzene | 11.9 | 0.24 | 1.0 | ug/l | 18.9 | ND | 63 | 0.1-152 | | | |

## Quality Control Results

(Continued)

### Acid and Base/Neutral Extractables by GC/MS (Continued)

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Matrix Spike (W5A2115-MS1)** | Source: 5A08002-03 | | | Prepared: 01/31/25 | | Analyzed: 02/06/25 | | | | | |
| Hexachlorobutadiene | 14.6 | 0.47 | 1.0 | ug/l | 18.9 | ND | 77 | 24-120 | | | |
| Hexachlorocyclopentadiene | 11.2 | 1.5 | 5.0 | ug/l | 18.9 | ND | 60 | 10-120 | | | |
| Hexachloroethane | 15.2 | 0.50 | 1.0 | ug/l | 18.9 | ND | 80 | 40-120 | | | |
| Indeno (1,2,3-cd) pyrene | 11.4 | 0.66 | 2.0 | ug/l | 18.9 | ND | 60 | 0.1-171 | | | |
| Isophorone | 13.9 | 0.21 | 1.0 | ug/l | 18.9 | ND | 74 | 21-196 | | | |
| Naphthalene | 13.8 | 0.49 | 1.0 | ug/l | 18.9 | ND | 73 | 21-133 | | | |
| Nitrobenzene | 14.5 | 0.36 | 1.0 | ug/l | 18.9 | ND | 77 | 35-180 | | | |
| N-Nitrosodimethylamine | 9.26 | 0.50 | 1.0 | ug/l | 18.9 | ND | 49 | 18-120 | | | |
| N-Nitrosodi-n-propylamine | 14.6 | 0.26 | 1.0 | ug/l | 18.9 | ND | 77 | 0.1-230 | | | |
| N-Nitrosodiphenylamine | 11.6 | 0.19 | 1.0 | ug/l | 18.9 | ND | 61 | 49-120 | | | |
| Pentachlorophenol | 15.3 | 0.40 | 1.0 | ug/l | 18.9 | ND | 81 | 0.1-133 | | | |
| Phenanthrene | 14.3 | 0.32 | 1.0 | ug/l | 18.9 | ND | 75 | 54-120 | | | |
| Phenol | 5.16 | 0.14 | 1.0 | ug/l | 18.9 | ND | 27 | 5-120 | | | |
| Pyrene | 11.9 | 0.25 | 1.0 | ug/l | 18.9 | ND | 63 | 52-120 | | | |
| *Surrogate(s)* | | | | | | | | | | | |
| *2,4,6-Tribromophenol* | *34.3* | | | *ug/l* | *37.8* | | *91* | *25-120* | | | |
| *2-Fluorobiphenyl* | *14.1* | | | *ug/l* | *18.9* | | *75* | *22-120* | | | |
| *2-Fluorophenol* | *17.1* | | | *ug/l* | *37.8* | | *45* | *17-120* | | | |
| *Nitrobenzene-d5* | *16.4* | | | *ug/l* | *18.9* | | *87* | *47-120* | | | |
| *Phenol-d5* | *10.7* | | | *ug/l* | *37.8* | | *28* | *12-120* | | | |
| *Terphenyl-d14* | *10.4* | | | *ug/l* | *18.9* | | *55* | *44-129* | | | |
| **Matrix Spike Dup (W5A2115-MSD1)** | Source: 5A08002-03 | | | Prepared: 01/31/25 | | Analyzed: 02/06/25 | | | | | |
| 1,2,4-Trichlorobenzene | 15.9 | 0.49 | 1.0 | ug/l | 19.0 | ND | 84 | 44-142 | 4 | 30 | |
| 1,2-Dichlorobenzene | 19.6 | 0.46 | 1.0 | ug/l | 19.0 | ND | 103 | 51-120 | 13 | 30 | |
| 1,3-Dichlorobenzene | 14.4 | 0.42 | 1.0 | ug/l | 19.0 | ND | 76 | 37-120 | 5 | 30 | |
| 1,4-Dichlorobenzene | 14.8 | 0.48 | 1.0 | ug/l | 19.0 | ND | 78 | 39-120 | 6 | 30 | |
| 2,4,6-Trichlorophenol | 16.3 | 0.22 | 1.0 | ug/l | 19.0 | ND | 85 | 37-144 | 16 | 30 | |
| 2,4-Dichlorophenol | 16.4 | 0.26 | 1.0 | ug/l | 19.0 | ND | 86 | 39-135 | 7 | 30 | |
| 2,4-Dimethylphenol | 3.13 | 0.76 | 1.0 | ug/l | 19.0 | ND | 16 | 32-120 | 83 | 30 | MS-01, R-02 |
| 2,4-Dinitrophenol | 18.1 | 4.4 | 10 | ug/l | 19.0 | ND | 95 | 0.1-191 | 8 | 30 | |
| 2,4-Dinitrotoluene | 16.4 | 0.46 | 1.0 | ug/l | 19.0 | ND | 86 | 39-139 | 7 | 30 | |
| 2,6-Dinitrotoluene | 18.4 | 0.27 | 1.0 | ug/l | 19.0 | ND | 97 | 50-158 | 15 | 30 | |
| 2-Chloronaphthalene | 15.5 | 0.45 | 1.0 | ug/l | 19.0 | ND | 81 | 60-120 | 10 | 30 | |
| 2-Chlorophenol | 13.6 | 0.28 | 1.0 | ug/l | 19.0 | ND | 71 | 23-134 | 8 | 30 | |
| 2-Methyl-4,6-dinitrophenol | 17.9 | 2.4 | 5.0 | ug/l | 19.0 | ND | 94 | 0.1-181 | 11 | 30 | |
| 2-Nitrophenol | 16.4 | 0.26 | 1.0 | ug/l | 19.0 | ND | 86 | 29-182 | 9 | 30 | |
| 3,3'-Dichlorobenzidine | ND | 2.5 | 5.0 | ug/l | 19.0 | ND | | 0.1-262 | | 30 | Q-02 |

## Quality Control Results

(Continued)

### Acid and Base/Neutral Extractables by GC/MS (Continued)

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Matrix Spike Dup (W5A2115-MSD1) | Source: 5A08002-03 | | | | Prepared: 01/31/25 | Analyzed: 02/06/25 | | | | | |
| 4-Bromophenyl phenyl ether | 17.6 | 0.36 | 1.0 | ug/l | 19.0 | ND | 93 | 53-127 | 20 | 30 | |
| 4-Chloro-3-methylphenol | 16.3 | 0.23 | 1.0 | ug/l | 19.0 | ND | 86 | 22-147 | 10 | 30 | |
| 4-Chlorophenyl phenyl ether | 17.1 | 0.41 | 1.0 | ug/l | 19.0 | ND | 90 | 25-158 | 15 | 30 | |
| 4-Nitrophenol | 7.35 | 1.2 | 5.0 | ug/l | 19.0 | ND | 39 | 0.1-132 | 11 | 30 | |
| Acenaphthene | 15.4 | 0.38 | 1.0 | ug/l | 19.0 | ND | 81 | 47-145 | 12 | 30 | |
| Acenaphthylene | 15.7 | 0.35 | 1.0 | ug/l | 19.0 | ND | 83 | 33-145 | 11 | 30 | |
| Anthracene | 14.6 | 0.41 | 1.0 | ug/l | 19.0 | ND | 76 | 27-133 | 13 | 30 | |
| Benzo (a) anthracene | 16.9 | 0.46 | 1.0 | ug/l | 19.0 | ND | 89 | 33-143 | 33 | 30 | R-02 |
| Benzo (a) pyrene | 15.8 | 0.82 | 1.0 | ug/l | 19.0 | ND | 83 | 17-163 | 31 | 30 | R-02 |
| Benzo (b) fluoranthene | 16.4 | 0.46 | 1.0 | ug/l | 19.0 | ND | 86 | 24-159 | 25 | 30 | AN-IP |
| Benzo (g,h,i) perylene | 18.2 | 0.42 | 2.0 | ug/l | 19.0 | ND | 95 | 0.1-219 | 30 | 30 | |
| Benzo (k) fluoranthene | 16.9 | 0.72 | 1.0 | ug/l | 19.0 | ND | 89 | 11-162 | 39 | 30 | R-02, AN-IP |
| Bis(2-chloroethoxy)methane | 16.5 | 0.25 | 1.0 | ug/l | 19.0 | ND | 87 | 33-184 | 7 | 30 | |
| Bis(2-chloroethyl)ether | 14.2 | 0.27 | 1.0 | ug/l | 19.0 | ND | 75 | 12-158 | 6 | 30 | |
| Bis(2-chloroisopropyl) ether | 15.3 | 0.38 | 1.0 | ug/l | 19.0 | ND | 80 | 36-166 | 10 | 30 | |
| Bis(2-ethylhexyl)phthalate | 17.5 | 2.3 | 5.0 | ug/l | 19.0 | ND | 92 | 8-158 | 34 | 30 | R-02 |
| Butyl benzyl phthalate | 18.8 | 0.49 | 1.0 | ug/l | 19.0 | ND | 99 | 0.1-152 | 24 | 30 | |
| Chrysene | 14.7 | 0.19 | 1.0 | ug/l | 19.0 | ND | 77 | 17-168 | 27 | 30 | |
| Dibenzo (a,h) anthracene | 15.9 | 0.60 | 2.0 | ug/l | 19.0 | ND | 84 | 0.1-227 | 32 | 30 | R-02 |
| Diethyl phthalate | 17.5 | 0.35 | 1.0 | ug/l | 19.0 | ND | 92 | 0.1-120 | 13 | 30 | |
| Dimethyl phthalate | 17.4 | 0.18 | 1.0 | ug/l | 19.0 | ND | 91 | 0.1-120 | 18 | 30 | |
| Di-n-butyl phthalate | 16.5 | 0.34 | 1.0 | ug/l | 19.0 | ND | 87 | 1-120 | 23 | 30 | |
| Di-n-octyl phthalate | 17.0 | 0.46 | 1.0 | ug/l | 19.0 | ND | 89 | 4-146 | 32 | 30 | R-02 |
| Fluoranthene | 16.7 | 0.35 | 1.0 | ug/l | 19.0 | ND | 87 | 26-137 | 30 | 30 | |
| Fluorene | 16.9 | 0.35 | 1.0 | ug/l | 19.0 | ND | 89 | 59-121 | 10 | 30 | |
| Hexachlorobenzene | 16.4 | 0.24 | 1.0 | ug/l | 19.0 | ND | 86 | 0.1-152 | 31 | 30 | R-02 |
| Hexachlorobutadiene | 16.3 | 0.47 | 1.0 | ug/l | 19.0 | ND | 86 | 24-120 | 11 | 30 | |
| Hexachlorocyclopentadiene | 12.2 | 1.5 | 5.0 | ug/l | 19.0 | ND | 64 | 10-120 | 8 | 30 | |
| Hexachloroethane | 15.7 | 0.50 | 1.0 | ug/l | 19.0 | ND | 83 | 40-120 | 3 | 30 | |
| Indeno (1,2,3-cd) pyrene | 16.1 | 0.66 | 2.0 | ug/l | 19.0 | ND | 85 | 0.1-171 | 34 | 30 | R-02 |
| Isophorone | 15.2 | 0.21 | 1.0 | ug/l | 19.0 | ND | 80 | 21-196 | 9 | 30 | |
| Naphthalene | 15.6 | 0.49 | 1.0 | ug/l | 19.0 | ND | 82 | 21-133 | 12 | 30 | |
| Nitrobenzene | 15.1 | 0.36 | 1.0 | ug/l | 19.0 | ND | 79 | 35-180 | 4 | 30 | |
| N-Nitrosodimethylamine | 9.90 | 0.50 | 1.0 | ug/l | 19.0 | ND | 52 | 18-120 | 7 | 30 | |
| N-Nitrosodi-n-propylamine | 15.0 | 0.26 | 1.0 | ug/l | 19.0 | ND | 79 | 0.1-230 | 3 | 30 | |
| N-Nitrosodiphenylamine | 12.4 | 0.19 | 1.0 | ug/l | 19.0 | ND | 65 | 49-120 | 7 | 30 | |
| Pentachlorophenol | 17.0 | 0.40 | 1.0 | ug/l | 19.0 | ND | 89 | 0.1-133 | 10 | 30 | |
| Phenanthrene | 16.5 | 0.32 | 1.0 | ug/l | 19.0 | ND | 87 | 54-120 | 15 | 30 | |

## Quality Control Results

(Continued)

### Acid and Base/Neutral Extractables by GC/MS (Continued)

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Matrix Spike Dup (W5A2115-MSD1) | Source: 5A08002-03 | | | Prepared: 01/31/25 | Analyzed: 02/06/25 | | | | | | |
| Phenol | 5.79 | 0.14 | 1.0 | ug/l | 19.0 | *ND* | 30 | 5-120 | 12 | 30 | |
| Pyrene | 15.5 | 0.25 | 1.0 | ug/l | 19.0 | *ND* | 81 | 52-120 | 26 | 30 | |
| *Surrogate(s)* | | | | | | | | | | | |
| *2,4,6-Tribromophenol* | *38.1* | | | *ug/l* | *38.1* | | *100* | *25-120* | | | |
| *2-Fluorobiphenyl* | *15.7* | | | *ug/l* | *19.0* | | *82* | *22-120* | | | |
| *2-Fluorophenol* | *18.6* | | | *ug/l* | *38.1* | | *49* | *17-120* | | | |
| *Nitrobenzene-d5* | *16.2* | | | *ug/l* | *19.0* | | *85* | *47-120* | | | |
| *Phenol-d5* | *12.0* | | | *ug/l* | *38.1* | | *31* | *12-120* | | | |
| *Terphenyl-d14* | *15.4* | | | *ug/l* | *19.0* | | *81* | *44-129* | | | |

## Notes and Definitions

| Item | Definition |
|---|---|
| AN-IP | Sample results for structural isomers may have contribution from their isomeric pair. |
| J | Estimated conc. detected <MRL and >MDL. |
| M-02 | Due to the nature of matrix interferences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution. |
| M-04 | Due to the nature of matrix interferences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution. |
| MS-01 | The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference. |
| Q-02 | Low recovery of this analyte in the QC sample. The analysis of the low level standard produced acceptable recovery indicating that the sample result might be accurately reported as Not Detected. |
| R-02 | The RPD was outside of QC acceptance limits due to possible matrix interference. |
| S-11 | Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate. |
| %REC | Percent Recovery |
| Dil | Dilution |
| MDL | Method Detection Limit |
| MRL | Method Reporting Limit (MRL) is the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) |
| ND | NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL. |
| RPD | Relative Percent Difference |
| Source | Sample that was matrix spiked or duplicated. |

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

## Analyses Accreditation

| Analyte | CAS # | Not By ELAP-CA | Not By NELAP-OR | Not By ANAB ISO 17025 |
|---|---|---|---|---|
| *EPA 625.1 in Water* | | | | |
| N-Nitrosodimethylamine | 62-75-9 | ● | | ● |
| Pyridine | 110-86-1 | ● | | ● |
| 1,3-Dichlorobenzene | 541-73-1 | ● | | ● |
| 1,4-Dichlorobenzene | 106-46-7 | ● | | ● |
| 1,2-Dichlorobenzene | 95-50-1 | ● | | ● |
| Bis(2-chloroisopropyl) ether | 108-60-1 | | ● | |
| 4-Chloroaniline | 106-47-8 | ● | | ● |

## Analyses Accreditation

(Continued)

| Analyte | CAS # | Not By ELAP-CA | Not By NELAP-OR | Not By ANAB ISO 17025 |
|---|---|---|---|---|
| *EPA 625.1 in Water (Continued)* | | | | |
| Benzoic acid | 65-85-0 | ● | | ● |
| 2-Methylnaphthalene | 91-57-6 | ● | | ● |
| 2,4,5-Trichlorophenol | 95-95-4 | ● | | ● |
| 2-Nitroaniline | 88-74-4 | ● | | ● |
| 3-Nitroaniline | 99-09-2 | ● | | ● |
| N-Nitrosodiphenylamine | 86-30-6 | ● | | ● |
| 1,2-Diphenylhydrazine/Azobenzene | 122-66-7 | ● | | ● |
| Dibenzofuran | 132-64-9 | ● | | ● |
| 4-Nitroaniline | 100-01-6 | ● | | ● |
| Azobenzene/1,2-Diphenylhydrazine | 103-33-3 | ● | | ● |
| Aniline | 62-53-3 | ● | | ● |
| Benzyl alcohol | 100-51-6 | ● | | ● |
| 2,4,6-Tribromophenol | 118-79-6 | | ● | |

*This laboratory report may contain results for target analytes that are not currently certifiable by the California Environmental Laboratory Accreditation Program (ELAP). ELAP is the state agency that accredits environmental testing laboratories in California<https://www.waterboards.ca.gov/drinking_water/certlic/labs/index.html>. ELAP certification is required for laboratories that perform testing for regulatory purposes, such as drinking water, wastewater, hazardous waste, and ambient water<https://www.waterboards.ca.gov/drinking_water/certlic/labs/apply.html>. However, ELAP does not certify all analytes or methods that a laboratory may offer. Therefore, some of the target analytes in this report may not have been tested under ELAP-approved methods or quality control procedures. The results for these analytes are provided for informational purposes only and should not be usea for regulatory compliance or decision making. Please contact the laboratory if you have any questions or concerns about the report.*

**Reviewed by:**

Ryan J. Gasio
Project Manager

DoD-ELAP ANAB #ADE-2882 ● DoD-ISO ANAB # ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● ISO17025 ANAB #L2457.01 ● LACSD #10143

*This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. The report may include analytes that are not currently accreditable by some state agencies or accrediting bodies. This analytical report must be reproduced in its entirety.*

WECK LABORATORIES, INC.

# Sample Receipt

Printed: 1/30/2025 3:16:20PM

## Work Order: 5A29073

**Client:** FGL Environmental
**Project:** FGL Environmental
**Project Manager:** Ryan J. Gasio
**Project Number:** SP 2501205

**Report To:**
FGL Environmental
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2012
Fax: (805) 525-4172

**Invoice To:**
FGL Environmental
Accounts Payable - Jackie Barnes
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 392-2038
Fax: (805) 525-4172

**Date Due:** 02/12/25 09:00 (10 day TAT)
**Received By:** Jerald R. Ancheta
**Date Received:** 01/29/25 11:30
**Logged In By:** Lester K. Abad
**Date Logged In:** 01/29/25 12:45

## Sample Conditions

| | | | |
|---|---|---|---|
| Temperature | 1.80 C | | |
| Sample(s) have acceptable CI | ✓ | Sample(s) have acceptable pH | ✓ |
| Sample(s) labels have correct preservation | ✓ | Sample(s) received within hold time | ✓ |
| Sample(s) have sufficient sample volume | ✓ | Sample(s) using proper containers | ✓ |
| Sample(s) intact | ✓ | Blue ice | |
| Wet ice | ✓ | COC matches sample labels | ✓ |
| COC completed properly | ✓ | COC present | ✓ |

## Samples

| Analysis | Expires | Analysis Comments |
|---|---|---|
| **5A29073-01 Sample Name: South Basin - Western Inlet [Water] Sampled 1/26/2025 09:30** | | |
| 625.1 EPA_w BNA Ext | 02/02/25 09:30 | J |
| **5A29073-02 Sample Name: South Basin - Eastern Inlet [Water] Sampled 1/26/2025 15:30** | | |
| 625.1 EPA_w BNA Ext | 02/02/25 15:30 | J |

**Note:**
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

# Subcontract to Weck Laboratories, Inc.

SA29073

## CHAIN OF CUSTODY
*AND ANALYSES REQUEST FORM*



**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501205**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 625.1 SemiVOA EXTENDED LIST a- Terpineol, p-Cresol, Napthalene, Benzoic Acid Pyridine and Phenol ***Requires MDL Reporting**** 1000ml(AGT) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 01/26/2025 | 09:30 | G | STM | | | | 1 |
| 2 | South Basin - Eastern Inlet | 01/26/2025 | 15:30 | G | STM | | | | 1 |

LA 1/29 11:30 10° 70323

Check by Initials | Date/Time/ | Temp C TID/ | Samples BLUE / WET

pH Lot (WP2A) 03253109 | Value | Ice Type (WS1)

Acid Lot (WP2B) | Amount | Cl Lot (WP3A)

Qualifiers | Description

Remarks
Sample 1: MDL Reporting 1.5
Sample 2: MDL Reporting T-0323

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
|---|---|---|---|---|---|---|---|---|
| Cmm | 1/28/25 | 17:00 | UPS | 1/29/25 | 11:30 | | | |
| **Received By:** | **Date** | **Time** | **Received By:** | **Date** | **Time** | **Received By:** | **Date** | **Time** |
| UPS | ↓ | ↓ | | 1/29/25 | 11:30 | | | |

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Santa Paula, CA 93060
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CA ELAP Certification No. 1573

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TEL: (209)942-0182
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Chico, CA 95926
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CA ELAP Certification No. 2670

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TEL: (805)783-2940
CA ELAP Certification No. 2775

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

LA 1/29

February 11, 2025

**Lab No. : SP 2501205**
**Customer No. : 2028560**

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

## Laboratory Report

**Introduction:** This report package contains a total of 6 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (3 pages) | : Results for each sample submitted. |
| Quality Control | (2 pages) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab No. | Matrix |
|---|---|---|---|---|
| South Basin - Western Inlet | 01/26/2025 | 01/27/2025 | SP 2501205-001 | STM |
| South Basin - Eastern Inlet | 01/26/2025 | 01/27/2025 | SP 2501205-002 | STM |

### Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times except those as listed in the table below. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

### Samples Over Hold Time

| Lab No | Analyte Method | Maximum Hold Time | Actual Hold Time |
|---|---|---|---|
| SP 2501205-001 | BOD | 48 hours | 52.1 hours |

**Quality Control:** All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

| Test Summary | |
|---|---|
| EPA 200.8 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-NH3 G | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 5210 B | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |

**Certification:** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: SMH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2025-02-11



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CA ELAP Certification No. 2810

February 11, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-Subchapter N

**Lab No. : SP 2501205-001**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Arsenic | 0.00760 | 0.002 | 0.00042 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:37 | ac |
| Chromium | 0.0208 | 0.0005 | 0.00045 | mg/L | 1 | h | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:37 | ac |
| Zinc | 0.125 | 0.01 | 0.00042 | mg/L | 1 | lh | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:37 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Ammonia Nitrogen | 0.648 | 0.2 | 0.066 | mg/L | 1 | | 02/07/2025 | 12:50 | lcr | SM 4500-NH3 G | 02/07/2025 | 15:03 | lcr |
| BOD | 29.1 | 32.5 | 16 | mg/L | 20 | JT | 01/28/2025 | 13:35 | jcg | SM 5210 B | 02/02/2025 | 14:41 | amm |

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
T Exceeded method/regulatory-specific holding time.

ND=Non-Detected, RL=Reporting Level



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February 11, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Subchapter N

**Lab No. : SP 2501205-002**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Arsenic | 0.0550 | 0.004 | 0.00084 | mg/L | 2 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:03 | ac |
| Chromium | 0.0810 | 0.001 | 0.00090 | mg/L | 2 | h | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:03 | ac |
| Zinc | 2.04 | 0.1 | 0.0042 | mg/L | 10 | l | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/31/2025 | 12:44 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Ammonia Nitrogen | 0.441 | 0.2 | 0.066 | mg/L | 1 | | 02/07/2025 | 12:50 | lcr | SM 4500-NH3 G | 02/07/2025 | 15:05 | lcr |
| BOD | ND | 260 | 130 | mg/L | 100 | U | 01/28/2025 | 13:21 | jcg | SM 5210 B | 02/02/2025 | 14:41 | amm |

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
U Constituent results were non-detect.



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February 11, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Subchapter N

**Lab No. : SP 2501205-002**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Field Test

| Constituent | Result | RL | Units | Note | Sample Preparation | | Sample Analysis | |
|---|---|---|---|---|---|---|---|---|
| **Field Test** | | | | | Method | Date Time | Method | Date Time |
| pH (Field) | 8.29 | | units | | | 01/26/2025 15:30 | 4500HB | 01/26/2025 15:30 |

ND=Non-Detected, RL=Reporting Level


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February 11, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501205
Customer No. : 2028560

## Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Arsenic | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 50.00 | 99.4% | 85-115 | |
| | | | MS | ug/L | 50.00 | 102% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 105% | 75-125 | |
| | | | MSRPD | ug/L | | 2.5% | ≤20 | |
| | | | MS | ug/L | 50.00 | 100% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 108% | 75-125 | |
| | | | MSRPD | ug/L | | 6.7% | ≤20 | |
| Chromium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 50.00 | 98.9% | 85-115 | |
| | | | MS | ug/L | 50.00 | 125% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 125% | 75-125 | |
| | | | MSRPD | ug/L | | 0.2% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | 130% | 75-125 | 435 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 137% | 75-125 | 435 |
| | | | MSRPD | ug/L | | 2.4% | ≤20.0 | |
| Zinc | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 50.00 | 90.6% | 85-115 | |
| | | | MS | ug/L | 50.00 | 49.7% | 75-125 | 435 |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 92.6% | 75-125 | |
| | | | MSRPD | ug/L | | 10.5% | ≤20 | |
| | | | MS | ug/L | 50.00 | -201% | <¼ | 406 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | -157% | <1/4 | |
| | | | MSRPD | ug/L | | 1.6% | ≤20 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND : Non-detect - Result was below the DQO listed for the analyte.

**Explanation**

406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.



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February 11, 2025

**Chiquita Canyon Landfill**

Lab No. : SP 2501205
Customer No. : 2028560

## Quality Control - Wet Chem

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Ammonia Nitrogen | 4500NH3G | 02/07/2025:201495LCR | Blank | mg/L | | ND | <0.2 | |
| | | | LCS | mg/L | 2.000 | 97.6% | 90-110 | |
| | | | MS | mg/L | 2.000 | 97.2% | 46-139 | |
| | | (SP 2501228-001) | MSD | mg/L | 2.000 | 98.7% | 46-139 | |
| | | | MSRPD | mg/L | | 1.4% | ≤20 | |
| BOD | 5210B | 01/28/2025:200904JCG | RgBlk | mg/L | | 0.13 | 2 | |
| | | | LCS | mg/L | 198.0 | 90.7% | 84.6-115 | |
| | | | LCSAv | mg/L | 198.0 | 92.8% | 84.6-115 | |
| | | | LCS | mg/L | 198.0 | 97.5% | 84.6-115 | |
| | | | LCS | mg/L | 198.0 | 90.2% | 84.6-115 | |
| | | (SP 2501235-001) | Dup | mg/L | | 4.58% | 15.9 | |
| | | (SP 2501235-001) | Dup | mg/L | | 1.73% | 15.9 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.



Page 6 of 6

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

# Special

# CHAIN OF CUSTODY

www.fglinc.com

Laboratory Copy (1 of 2)

6280:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **Chiquita Canyon Landfill**

Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:

Contact Person: Matt Breuer

Project Name: **Chiquita Landfill-Subchapter N**

Purchase Order Number:

Quote Number: **SP 20241121-05**

Sampler(s) Blanca Hoffmeier
Isaac Hoffmeier

Sampling Fee: _____ Pickup Fee: _____

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 2501205 2-28560

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Wet Chemistry-BOD 16oz(P) | Wet Chemistry-NH3-N 16oz(P)-H2SO4 | Metals, Total-As,Cr,Zn 250ml(P)-HNO3 | Sub Organic-EPA 625.1 SemiVOA a- Terpineol, p-Cresol, Napthalene, Benzoic Acid Pyridine and Phenol ***Requires MDL Reporting**** 1000ml(AGT) | Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!! | Field - pH Date | Field - pH Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 1/26/25 | 9:30am | G | STM | | | | 1 | 1 | 1 | 1 | "ERROR" | | |
| 2 | South Basin - Eastern Inlet | 1/26/25 | 3:30pm | G | STM | | | | 1 | 1 | 1 | 1 | 8.29 | 1/26 | 3:45 |
| | | | | | | | | | | " | | | | | |
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Remarks:

| Relinquished | Date: | Time: |
|---|---|---|
| Blanca Hoffmeier | 1/27/25 | 9:45am |

| Received By: | Date: | Time: |
|---|---|---|
| MC | 1/27/25 | 9:45 |

| Relinquished | Date: | Time: |
|---|---|---|
| | | |

| Received By: | Date: | Time: |
|---|---|---|
| | | |

| Relinquished | Date: | Time: |
|---|---|---|
| | | |

| Received By: | Date: | Time: |
|---|---|---|
| | | |


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ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

# Subcontract to
# Weck Laboratories, Inc.

## *CHAIN OF CUSTODY*
***AND ANALYSES REQUEST FORM***



**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501205**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

**Sample Information** / **Test Description(s)**

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 625.1 SemiVOA EXTENDED LIST a- Terpineol, p-Cresol, Napthalene, Benzoic Acid Pyridine and Phenol ***Requires MDL Reporting**** 1000ml(AGT) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 01/26/2025 | 09:30 | G | STM | | | | 1 | | | | | | | |
| 2 | South Basin - Eastern Inlet | 01/26/2025 | 15:30 | G | STM | | | | 1 | | | | | | | |
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Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
|---|---|---|---|---|---|---|---|---|
| Received By: | Date | Time | Received By: | Date | Time | Received By: | Date | Time |

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# Condition Upon Receipt (Attach to COC) SP 2501205

**Sample Receipt at SP:**

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking number(s) _____
3. Temp IR Gun ID#: **TH268**
4. Were samples received on Ice? **[Yes]** **No** Temps: **ROI** / **14C** / _____ / _____ / _____ / _____
5. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
6. Do the number of bottles received agree with the COC? **[Yes]** **No** **N/A**
7. Verify sample date, time, sampler **[Yes]** **No**
8. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **[Yes]** **No**

**Sample Verification, Labeling and Distribution:**

1. Were all requested analyses understood and acceptable? **[Yes]** **No**
2. Did bottle labels correspond with the client's ID's? **[Yes]** **No**
3. Were all bottles requiring sample preservation properly preserved? **[Yes]** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **No** **[N/A]**
5. Were all analyses within holding times at time of receipt? **[Yes]** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **[N/A]**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 01/27/2025-16:04:16

**Discrepency Documentation:**

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2028560)
Chiquita Canyon Landfill
**SP 2501205**
MDC-01/27/2025-16:04:16

February 3, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

**Subject: Subcontract Analysis for FGL Lab No. SP 2501198**

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontract-Dioxin, 2,3,7,8 - TCDD by EPA 8290

Please note that this analysis was performed by Ceres Analytical Laboratory, Inc.

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2025-02-03

Enclosure

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

February 3, 2025 Ceres ID: 19082

FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

The following report contains the results for the two aqueous samples received on January 28, 2025. These samples were analyzed for 2,3,7,8-TCDD by EPA method 8290. Routine turn-around time was provided for this work.

This work was authorized under the Project Name: SP 2501198.

**Continuing Calibration Verification (CCV) Requirements**
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

# Section I: Sample Inventory

| Ceres Sample ID: | Sample ID | Date Received | Collection Date | &Time |
|---|---|---|---|---|
| 19082-001 | South Basin - Western Inlet | 1/28/2025 | 1/26/2025 | 9:30 |
| 19082-002 | South Basin - Eastern Inlet | 1/28/2025 | 1/26/2025 | 15:30 |

# Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

# EPA Method 8290

| | | |
|---|---|---|
| **Quality Assurance Sample**<br>**Method Blank** | **Ceres Sample ID:** 0-3412-MB<br>**QC Batch #:** 3412<br>**Matrix:** Aqueous | **Date Received:** NA<br>**Date Extracted:** 2/1/2025<br>**Date Analyzed:** 2/2/2025 |
| **Project ID:** SP 2501198 | **Sample Size:** 1.000 L | |

| Analyte | Conc. (pg/L) | MDL | RL | Qual. | Labeled Standards | % R | LCL-UCL (a) | Qualifiers |
|---|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND< 3.81 | 2.38 | 5.00 | | 13C-2378-TCDD | 91.9 | 40-135 | |
| | | | | | **CRS** | | | |
| | | | | | 37Cl4-2378-TCDD | 86.3 | 40-135 | |

EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.

(a) - Lower control limit - Upper control limit

**Analyst: JMH** **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

# EPA Method 8290

| | | |
|---|---|---|
| **Quality Assurance Sample**<br>**Laboratory Control Samples** | **Ceres Sample ID:** 0-3412-LCS1/LCS2<br>**QC Batch #:** 3412<br>**Matrix:** Aqueous | **Date Received:** NA<br>**Date Extracted:** 2/1/2025<br>**ZB-5MS Analysis:** 2/2/2025 |
| **Project ID:** 2501010 | **Sample Size:** 1.000 L | |

| Analyte | %Rec. LCS | % Rec. LCS Dup | %RSD |
|---|---|---|---|
| 2,3,7,8-TCDD | 99.5 | 97.2 | 1.65 |

| Labeled Standards | LCS % Rec. | LCS Dup % Rec. | Limits (a) |
|---|---|---|---|
| 13C-2378-TCDD | 86.0 | 87.6 | 40-135 |
| **CRS** | | | |
| 37Cl4-2378-TCDD | 85.3 | 89.3 | 40-135 |

(a) Limits based on method acceptance criteria.

**Analyst: JMH** **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

# EPA Method 8290

| | | |
|---|---|---|
| **Client Sample ID:** South Basin - Western Inlet | | |
| **Project ID:** 2501010 | **Ceres Sample ID:** 19082-001 | **Date Received:** 1/28/2025 |
| | **QC Batch #:** 3412 | **Date Extracted:** 2/1/2025 |
| **Date Collected:** 1/26/2025 | **Matrix:** Aqueous | **Date Analyzed:** 2/2/2025 |
| **Time Collected:** 9:30 | **Sample Size:** 1.021 L | |

| Analyte | Conc. (pg/L) | MDL | RL | Qual. | Labeled Standards | % R | LCL-UCL (a) | Qualifiers |
|---|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND < 3.22 | 2.96 | 4.90 | | 13C-2378-TCDD | 58.7 | 31-137 | |
| | | | | | **CRS** | | | |
| | | | | | 37Cl4-2378-TCDD | 93.4 | 42-164 | |

EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.

(a) - Lower control limit - Upper control limit

**Analyst: JMH** **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

# EPA Method 8290

| | | |
|---|---|---|
| **Client Sample ID:** South Basin - Eastern Inlet | | |
| **Project ID:** 2501010 | **Ceres Sample ID:** 19082-002 | **Date Received:** 1/28/2025 |
| | **QC Batch #:** 3412 | **Date Extracted:** 2/1/2025 |
| **Date Collected:** 1/26/2025 | **Matrix:** Aqueous | **Date Analyzed:** 2/2/2025 |
| **Time Collected:** 15:30 | **Sample Size:** 1.030 L | |

| Analyte | Conc. (pg/L) | MDL | RL | Qual. | Labeled Standards | % R | LCL-UCL (a) | Qualifiers |
|---|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND < 3.96 | 2.96 | 4.85 | | 13C-2378-TCDD | 65.5 | 31-137 | |
| | | | | | **CRS** | | | |
| | | | | | 37Cl4-2378-TCDD | 89.7 | 42-164 | |

EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.

(a) - Lower control limit - Upper control limit

**Analyst: JMH** **Reviewed by: BS**

# Section VI: Sample Tracking

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

# Subcontract to
# Ceres Analytical Laboratory, Inc.

## *CHAIN OF CUSTODY*
*AND ANALYSES REQUEST FORM*



**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Test Description(s): Subcontract-Dioxin, 2,3,7,8 - TCDD by EPA 8290 ***Requires MDL Reporting**** 1000ml(AGT) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 01/26/2025 | 09:30 | G | STM | | | | 1 |
| 2 | South Basin - Eastern Inlet | 01/26/2025 | 15:30 | G | STM | | | | 1 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
|---|---|---|---|---|---|---|---|---|
| CM | 1/27/25 | 17:00 | | | | | | |
| **Received By:** | **Date** | **Time** | **Received By:** | **Date** | **Time** | **Received By:** | **Date** | **Time** |
| CMS GLS | | | | 1/28/25 | 12:10 | | | |

**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
CA ELAP Certification No. 2775

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

Sample Receipt Check List  Logged by: HH (initials)

| | |
|---|---|
| Ceres ID: 19082 | Date/Time: 1/28/25 12:10 |
| Client Project ID: SP2501198 | Received Temp: 2.6 °C<br>Acceptable: (Y) / N |
| Chain of Custody Relinquished by signed? | (Y) / N |
| Chain of Custody Received by signed? | (Y) / N |
| Custody Seals? Present? | Y / N |
| Intact? | Y / N |
| NA: | (NA) |
| Unlabeled / Illegible Samples | Y / (N) |
| Proper Containers: | (Y) / N |
| Preservation Acceptable (Chemical or Temperature)? | (Y) / N |
| Drinking Water, Sodium Thiosulfate present? | Y / (N) / NA |
| Residual Cl? | Y / (N) / NA |
| Aqueous sample pH: 7.7 | NA |
| List COC discrepancies: HH 1/28/25 | |
| List Damaged Samples: HH 1/28/25 | |

# Section VII: Qualifiers/Abbreviations

| | |
|---|---|
| **J** | Concentration found below the lower quantitation limit but greater than zero. |
| **B** | Analyte present in the associated Method Blank. |
| **E** | Concentration found exceeds the Calibration range of the HRGC/HRMS. |
| **D** | This analyte concentration was calculated from a dilution. |
| **X** | The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample. |
| **H** | Recovery limits exceeded. See cover letter. |
| ***** | Results taken from dilution. |
| **I** | Interference. See cover letter. |
| **Conc.** | Concentration Found |
| **DL** | Calculated Detection Limit |
| **ND** | Non-Detect |
| **% Rec.** | Percent Recovery |

February 11, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

**Subject: Subcontract Analysis for FGL Lab No. SP 2501198**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 8141

Please note that this analysis was performed by Eurofins Calscience, Inc

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2025-02-11

Enclosure

eurofins | Environment Testing

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Cindy Aguirre
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Generated 2/10/2025 3:28:47 PM

## JOB DESCRIPTION

SP 2501198

## JOB NUMBER

570-215847-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

## Authorization

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2/10/2025 3:28:47 PM

Authorized for release by
Allyson Chapman, Project Manager I
Allyson.Chapman@et.eurofinsus.com
(714)895-5494

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# Definitions/Glossary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

## Qualifiers

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| me | LCS Recovery is within Marginal Exdeedance (ME) control limit range (± 4 SD from the mean). |
| p | The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

**Job Narrative**
**570-215847-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**
The samples were received on 1/29/2025 1:13 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

**Pesticides**
Method 8141A: The continuing calibration verification (CCV) associated with 570-529372 recovered high and outside the control limits for on one column. Results are confirmed on both columns and reported from the passing column.

Method 8141A: The laboratory control sample (LCS) for preparation batch 570-528018 and analytical batch 570-529372 recovered outside control limits for the following analytes: Merphos. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8141A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 570-528018 and analytical batch 570-529372 were outside control limits.

Method 8141A: The continuing calibration verification (CCV) associated with batch 570-529372 recovered above the upper control limit for Merphos and Naled. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: South Basin-Western Inlet (570-215847-1), South Basin-Eastern Inlet (570-215847-2) and (MB 570-528018/1-A).

Method 8141A: The continuing calibration verification (CCV) associated with 570-529372 recovered high and outside the control limits on one column. Results are confirmed on both columns and reported from the passing column. The associated samples are: (CCV 570-529372/17) and (CCV 570-529372/30).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Detection Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

## Client Sample ID: South Basin-Western Inlet — Lab Sample ID: 570-215847-1

No Detections.

## Client Sample ID: South Basin-Eastern Inlet — Lab Sample ID: 570-215847-2

No Detections.

This Detection Summary does not include radiochemical test results.

## Method: SW846 8141A - Organophosphorous Pesticides (GC)

**Client Sample ID: South Basin-Western Inlet**
**Date Collected: 01/26/25 09:30**
**Date Received: 01/29/25 13:13**

**Lab Sample ID: 570-215847-1**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Azinphos-methyl | ND | | 0.0050 | 0.0017 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Bolstar | ND | | 0.0050 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Chlorpyrifos | ND | | 0.0050 | 0.0019 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Coumaphos | ND | | 0.0050 | 0.0018 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Demeton-o/s | ND | | 0.010 | 0.0024 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Diazinon | ND | | 0.0050 | 0.0019 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Dichlorvos | ND | | 0.0050 | 0.0019 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Disulfoton | ND | | 0.010 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Ethoprop | ND | | 0.0050 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Fensulfothion | ND | | 0.0050 | 0.0029 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Fenthion | ND | | 0.0050 | 0.0014 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Merphos | ND | *+ | 0.0050 | 0.0020 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Methyl parathion | ND | | 0.0050 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Mevinphos | ND | | 0.0050 | 0.0013 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Naled | ND | | 0.040 | 0.015 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Phorate | ND | | 0.0050 | 0.0023 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Ronnel | ND | | 0.0050 | 0.0011 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Stirophos | ND | | 0.020 | 0.0010 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Tokuthion | ND | | 0.0050 | 0.0013 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |
| Trichloronate | ND | | 0.0050 | 0.0012 | mg/L | | 01/30/25 08:09 | 02/04/25 10:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tributylphosphate* | *109* | | *30 - 151* | *01/30/25 08:09* | *02/04/25 10:30* | *1* |

**Client Sample ID: South Basin-Eastern Inlet**
**Date Collected: 01/26/25 15:30**
**Date Received: 01/29/25 13:13**

**Lab Sample ID: 570-215847-2**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Azinphos-methyl | ND | | 0.0050 | 0.0017 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Bolstar | ND | F1 F2 | 0.0050 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Chlorpyrifos | ND | | 0.0050 | 0.0019 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Coumaphos | ND | | 0.0050 | 0.0018 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Demeton-o/s | ND | | 0.010 | 0.0024 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Diazinon | ND | | 0.0050 | 0.0019 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Dichlorvos | ND | F1 | 0.0050 | 0.0019 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Disulfoton | ND | | 0.010 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Ethoprop | ND | | 0.0050 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Fensulfothion | ND | | 0.0050 | 0.0029 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Fenthion | ND | | 0.0050 | 0.0014 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Merphos | ND | F1 *+ | 0.0050 | 0.0020 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Methyl parathion | ND | | 0.0050 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Mevinphos | ND | | 0.0050 | 0.0013 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Naled | ND | | 0.040 | 0.015 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Phorate | ND | F1 | 0.0050 | 0.0023 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Ronnel | ND | | 0.0050 | 0.0011 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Stirophos | ND | F1 | 0.020 | 0.0010 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Tokuthion | ND | | 0.0050 | 0.0013 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |
| Trichloronate | ND | | 0.0050 | 0.0012 | mg/L | | 01/30/25 08:09 | 02/04/25 11:17 | 1 |

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

## Method: SW846 8141A - Organophosphorous Pesticides (GC) (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *Tributylphosphate* | 98 | p | 30 - 151 | 01/30/25 08:09 | 02/04/25 11:17 | 1 |

# Surrogate Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

## Method: 8141A - Organophosphorous Pesticides (GC)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | TBPH1 | | | | | | | |
| Lab Sample ID | Client Sample ID | (30-151) | | | | | | | |
| 570-215847-1 | South Basin-Western Inlet | 109 | | | | | | | |
| 570-215847-2 | South Basin-Eastern Inlet | 98 p | | | | | | | |
| 570-215847-2 MS | South Basin-Eastern Inlet | 102 | | | | | | | |
| 570-215847-2 MSD | South Basin-Eastern Inlet | 101 p | | | | | | | |
| LCS 570-528018/2-A | Lab Control Sample | 93 | | | | | | | |
| LCSD 570-528018/3-A | Lab Control Sample Dup | 93 p | | | | | | | |
| MB 570-528018/1-A | Method Blank | 105 | | | | | | | |

**Surrogate Legend**

TBPH = Tributylphosphate

## Method: 8141A - Organophosphorous Pesticides (GC)

**Lab Sample ID: MB 570-528018/1-A**
**Matrix: Water**
**Analysis Batch: 529372**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 528018**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Azinphos-methyl | ND | | 0.0050 | 0.0017 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Bolstar | ND | | 0.0050 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Chlorpyrifos | ND | | 0.0050 | 0.0019 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Coumaphos | ND | | 0.0050 | 0.0018 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Demeton-o/s | ND | | 0.010 | 0.0024 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Diazinon | ND | | 0.0050 | 0.0019 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Dichlorvos | ND | | 0.0050 | 0.0019 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Disulfoton | ND | | 0.010 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Ethoprop | ND | | 0.0050 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Fensulfothion | ND | | 0.0050 | 0.0029 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Fenthion | ND | | 0.0050 | 0.0014 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Merphos | ND | | 0.0050 | 0.0020 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Methyl parathion | ND | | 0.0050 | 0.0015 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Mevinphos | ND | | 0.0050 | 0.0013 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Naled | ND | | 0.040 | 0.015 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Phorate | ND | | 0.0050 | 0.0023 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Ronnel | ND | | 0.0050 | 0.0011 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Stirophos | ND | | 0.020 | 0.0010 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Tokuthion | ND | | 0.0050 | 0.0013 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |
| Trichloronate | ND | | 0.0050 | 0.0012 | mg/L | | 01/30/25 08:09 | 02/04/25 09:43 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tributylphosphate* | *105* | | *30 - 151* | *01/30/25 08:09* | *02/04/25 09:43* | *1* |

**Lab Sample ID: LCS 570-528018/2-A**
**Matrix: Water**
**Analysis Batch: 529372**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 528018**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Azinphos-methyl | 0.0200 | 0.02207 | | mg/L | | 110 | 44 - 163 |
| Bolstar | 0.0200 | 0.01717 | p | mg/L | | 86 | 41 - 151 |
| Chlorpyrifos | 0.0200 | 0.01827 | | mg/L | | 91 | 42 - 152 |
| Coumaphos | 0.0200 | 0.01866 | | mg/L | | 93 | 35 - 170 |
| Diazinon | 0.0200 | 0.02173 | | mg/L | | 109 | 43 - 155 |
| Disulfoton | 0.0200 | 0.01846 | | mg/L | | 92 | 41 - 152 |
| Ethoprop | 0.0200 | 0.02111 | | mg/L | | 106 | 47 - 158 |
| Fensulfothion | 0.0200 | 0.01940 | p | mg/L | | 97 | 51 - 166 |
| Fenthion | 0.0200 | 0.02355 | | mg/L | | 118 | 43 - 161 |
| Merphos | 0.0200 | 0.03704 | *+ me | mg/L | | 185 | 44 - 180 |
| Methyl parathion | 0.0200 | 0.02148 | | mg/L | | 107 | 35 - 167 |
| Phorate | 0.0200 | 0.01815 | | mg/L | | 91 | 39 - 159 |
| Ronnel | 0.0200 | 0.02007 | | mg/L | | 100 | 42 - 151 |
| Stirophos | 0.0200 | 0.02482 | p | mg/L | | 124 | 39 - 172 |
| Tokuthion | 0.0200 | 0.01823 | | mg/L | | 91 | 33 - 155 |
| Trichloronate | 0.0200 | 0.01430 | p | mg/L | | 72 | 39 - 157 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Tributylphosphate* | *93* | | *30 - 151* |

## Method: 8141A - Organophosphorous Pesticides (GC)

**Lab Sample ID: LCSD 570-528018/3-A**
**Matrix: Water**
**Analysis Batch: 529372**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 528018**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Azinphos-methyl | | | 0.0200 | 0.02169 | | mg/L | | 108 | 44 - 163 | 2 | 30 |
| Bolstar | | | 0.0200 | 0.01723 | | mg/L | | 86 | 41 - 151 | 0 | 30 |
| Chlorpyrifos | | | 0.0200 | 0.01866 | | mg/L | | 93 | 42 - 152 | 2 | 30 |
| Coumaphos | | | 0.0200 | 0.01880 | | mg/L | | 94 | 35 - 170 | 1 | 30 |
| Diazinon | | | 0.0200 | 0.02046 | | mg/L | | 102 | 43 - 155 | 6 | 30 |
| Disulfoton | | | 0.0200 | 0.01836 | | mg/L | | 92 | 41 - 152 | 1 | 30 |
| Ethoprop | | | 0.0200 | 0.02095 | | mg/L | | 105 | 47 - 158 | 1 | 30 |
| Fensulfothion | | | 0.0200 | 0.01964 | p | mg/L | | 98 | 51 - 166 | 1 | 30 |
| Fenthion | | | 0.0200 | 0.02053 | | mg/L | | 103 | 43 - 161 | 14 | 30 |
| Merphos | | | 0.0200 | 0.03252 | | mg/L | | 163 | 44 - 180 | 13 | 30 |
| Methyl parathion | | | 0.0200 | 0.02049 | | mg/L | | 102 | 35 - 167 | 5 | 30 |
| Phorate | | | 0.0200 | 0.01717 | | mg/L | | 86 | 39 - 159 | 6 | 30 |
| Ronnel | | | 0.0200 | 0.02016 | | mg/L | | 101 | 42 - 151 | 0 | 30 |
| Stirophos | | | 0.0200 | 0.02194 | p | mg/L | | 110 | 39 - 172 | 12 | 30 |
| Tokuthion | | | 0.0200 | 0.01942 | | mg/L | | 97 | 33 - 155 | 6 | 30 |
| Trichloronate | | | 0.0200 | 0.01473 | p | mg/L | | 74 | 39 - 157 | 3 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *Tributylphosphate* | *93* | *p* | *30 - 151* |

**Lab Sample ID: 570-215847-2 MS**
**Matrix: Water**
**Analysis Batch: 529372**

**Client Sample ID: South Basin-Eastern Inlet**
**Prep Type: Total/NA**
**Prep Batch: 528018**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Azinphos-methyl | ND | | 0.0200 | 0.03338 | | mg/L | | 167 | 24 - 180 |
| Bolstar | ND | F1 F2 | 0.0200 | 0.02935 | F1 | mg/L | | 147 | 36 - 135 |
| Chlorpyrifos | ND | | 0.0200 | 0.01935 | | mg/L | | 97 | 34 - 137 |
| Coumaphos | ND | | 0.0200 | 0.02774 | | mg/L | | 139 | 37 - 154 |
| Diazinon | ND | | 0.0200 | 0.01717 | | mg/L | | 86 | 37 - 148 |
| Disulfoton | ND | | 0.0200 | 0.01926 | | mg/L | | 96 | 36 - 149 |
| Ethoprop | ND | | 0.0200 | 0.02085 | | mg/L | | 104 | 36 - 151 |
| Fensulfothion | ND | | 0.0200 | 0.02958 | | mg/L | | 148 | 36 - 162 |
| Fenthion | ND | | 0.0200 | 0.02491 | | mg/L | | 125 | 23 - 173 |
| Merphos | ND | F1 *+ | 0.0200 | 0.04415 | F1 | mg/L | | 221 | 20 - 180 |
| Methyl parathion | ND | | 0.0200 | 0.02759 | | mg/L | | 138 | 29 - 180 |
| Phorate | ND | F1 | 0.0200 | 0.03182 | F1 | mg/L | | 159 | 40 - 139 |
| Ronnel | ND | | 0.0200 | 0.01899 | | mg/L | | 95 | 34 - 155 |
| Stirophos | ND | F1 | 0.0200 | 0.03578 | p F1 | mg/L | | 179 | 34 - 154 |
| Tokuthion | ND | | 0.0200 | 0.02011 | | mg/L | | 101 | 32 - 140 |
| Trichloronate | ND | | 0.0200 | 0.01817 | | mg/L | | 91 | 38 - 146 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Tributylphosphate* | *102* | | *30 - 151* |

## Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

**Lab Sample ID: 570-215847-2 MSD**
**Matrix: Water**
**Analysis Batch: 529372**

**Client Sample ID: South Basin-Eastern Inlet**
**Prep Type: Total/NA**
**Prep Batch: 528018**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Azinphos-methyl | ND | | 0.0200 | 0.03361 | | mg/L | | 168 | 24 - 180 | 1 | 30 |
| Bolstar | ND | F1 F2 | 0.0200 | 0.02367 | F2 | mg/L | | 118 | 36 - 135 | 21 | 20 |
| Chlorpyrifos | ND | | 0.0200 | 0.01962 | | mg/L | | 98 | 34 - 137 | 1 | 30 |
| Coumaphos | ND | | 0.0200 | 0.02592 | | mg/L | | 130 | 37 - 154 | 7 | 30 |
| Diazinon | ND | | 0.0200 | 0.01867 | p | mg/L | | 93 | 37 - 148 | 8 | 30 |
| Disulfoton | ND | | 0.0200 | 0.01941 | | mg/L | | 97 | 36 - 149 | 1 | 30 |
| Ethoprop | ND | | 0.0200 | 0.02156 | | mg/L | | 108 | 36 - 151 | 3 | 30 |
| Fensulfothion | ND | | 0.0200 | 0.03166 | | mg/L | | 158 | 36 - 162 | 7 | 30 |
| Fenthion | ND | | 0.0200 | 0.02216 | p | mg/L | | 111 | 23 - 173 | 12 | 30 |
| Merphos | ND | F1 *+ | 0.0200 | 0.04184 | F1 | mg/L | | 209 | 20 - 180 | 5 | 30 |
| Methyl parathion | ND | | 0.0200 | 0.02579 | | mg/L | | 129 | 29 - 180 | 7 | 30 |
| Phorate | ND | F1 | 0.0200 | 0.03867 | F1 | mg/L | | 193 | 40 - 139 | 19 | 30 |
| Ronnel | ND | | 0.0200 | 0.01970 | | mg/L | | 99 | 34 - 155 | 4 | 30 |
| Stirophos | ND | F1 | 0.0200 | 0.03760 | p F1 | mg/L | | 188 | 34 - 154 | 5 | 20 |
| Tokuthion | ND | | 0.0200 | 0.01983 | | mg/L | | 99 | 32 - 140 | 1 | 30 |
| Trichloronate | ND | | 0.0200 | 0.02334 | | mg/L | | 117 | 38 - 146 | 25 | 30 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Tributylphosphate* | *101* | *p* | *30 - 151* |

# Marginal Exceedance (ME) Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

## Method: 8141A - Organophosphorous Pesticides (GC)

**Lab Sample ID: LCS 570-528018/2-A**
**Matrix: Water**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | %Rec | %Rec. Limits | ME %Rec. Limits | Marginal Exceedance Status |
|---|---|---|---|---|---|---|---|---|
| Azinphos-methyl | 0.0200 | 0.02207 | | mg/L | 110 | 44 - 163 | 24 - 183 | |
| Bolstar | 0.0200 | 0.01717 | p | mg/L | 86 | 41 - 151 | 23 - 169 | |
| Chlorpyrifos | 0.0200 | 0.01827 | | mg/L | 91 | 42 - 152 | 24 - 170 | |
| Coumaphos | 0.0200 | 0.01866 | | mg/L | 93 | 35 - 170 | 13 - 193 | |
| Diazinon | 0.0200 | 0.02173 | | mg/L | 109 | 43 - 155 | 24 - 174 | |
| Disulfoton | 0.0200 | 0.01846 | | mg/L | 92 | 41 - 152 | 23 - 171 | |
| Ethoprop | 0.0200 | 0.02111 | | mg/L | 106 | 47 - 158 | 29 - 177 | |
| Fensulfothion | 0.0200 | 0.01940 | p | mg/L | 97 | 51 - 166 | 32 - 185 | |
| Fenthion | 0.0200 | 0.02355 | | mg/L | 118 | 43 - 161 | 23 - 181 | |
| Merphos | 0.0200 | 0.03704 | *+ me | mg/L | 185 | 44 - 180 | 21 - 203 | ME |
| Methyl parathion | 0.0200 | 0.02148 | | mg/L | 107 | 35 - 167 | 13 - 189 | |
| Phorate | 0.0200 | 0.01815 | | mg/L | 91 | 39 - 159 | 19 - 179 | |
| Ronnel | 0.0200 | 0.02007 | | mg/L | 100 | 42 - 151 | 24 - 169 | |
| Stirophos | 0.0200 | 0.02482 | p | mg/L | 124 | 39 - 172 | 17 - 194 | |
| Tokuthion | 0.0200 | 0.01823 | | mg/L | 91 | 33 - 155 | 13 - 175 | |
| Trichloronate | 0.0200 | 0.01430 | p | mg/L | 72 | 39 - 157 | 19 - 177 | |

**Summary**

| Number of Analytes Reported | Number of Marginal Exceedances Allowed | Number of Marginal Exceedances Found |
|---|---|---|
| 16 | 1 | 1 |

*ME = Marginal Exceedance*

# QC Association Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

## GC Semi VOA

### Prep Batch: 528018

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 570-215847-1 | South Basin-Western Inlet | Total/NA | Water | 3510C | |
| 570-215847-2 | South Basin-Eastern Inlet | Total/NA | Water | 3510C | |
| MB 570-528018/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 570-528018/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| LCSD 570-528018/3-A | Lab Control Sample Dup | Total/NA | Water | 3510C | |
| 570-215847-2 MS | South Basin-Eastern Inlet | Total/NA | Water | 3510C | |
| 570-215847-2 MSD | South Basin-Eastern Inlet | Total/NA | Water | 3510C | |

### Analysis Batch: 529372

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 570-215847-1 | South Basin-Western Inlet | Total/NA | Water | 8141A | 528018 |
| 570-215847-2 | South Basin-Eastern Inlet | Total/NA | Water | 8141A | 528018 |
| MB 570-528018/1-A | Method Blank | Total/NA | Water | 8141A | 528018 |
| LCS 570-528018/2-A | Lab Control Sample | Total/NA | Water | 8141A | 528018 |
| LCSD 570-528018/3-A | Lab Control Sample Dup | Total/NA | Water | 8141A | 528018 |
| 570-215847-2 MS | South Basin-Eastern Inlet | Total/NA | Water | 8141A | 528018 |
| 570-215847-2 MSD | South Basin-Eastern Inlet | Total/NA | Water | 8141A | 528018 |

# Lab Chronicle

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

## Client Sample ID: South Basin-Western Inlet

**Lab Sample ID: 570-215847-1**

**Date Collected: 01/26/25 09:30**

**Matrix: Water**

**Date Received: 01/29/25 13:13**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3510C | | | 250 mL | 2.5 mL | 528018 | 01/30/25 08:09 | OAJ3 | EET CAL 4 |
| Total/NA | Analysis | 8141A | | 1 | 1 mL | 1 mL | 529372 | 02/04/25 10:30 | UJ3K | EET CAL 4 |
| | Instrument ID: GC68 | | | | | | | | | |

## Client Sample ID: South Basin-Eastern Inlet

**Lab Sample ID: 570-215847-2**

**Date Collected: 01/26/25 15:30**

**Matrix: Water**

**Date Received: 01/29/25 13:13**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3510C | | | 250 mL | 2.5 mL | 528018 | 01/30/25 08:09 | OAJ3 | EET CAL 4 |
| Total/NA | Analysis | 8141A | | 1 | 1 mL | 1 mL | 529372 | 02/04/25 11:17 | UJ3K | EET CAL 4 |
| | Instrument ID: GC68 | | | | | | | | | |

**Laboratory References:**

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

# Accreditation/Certification Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

## Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| California | State | 3082 | 07-31-25 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 8141A | 3510C | Water | Bolstar |
| 8141A | 3510C | Water | Coumaphos |
| 8141A | 3510C | Water | Demeton-o/s |
| 8141A | 3510C | Water | Ethoprop |
| 8141A | 3510C | Water | Fensulfothion |
| 8141A | 3510C | Water | Fenthion |
| 8141A | 3510C | Water | Merphos |
| 8141A | 3510C | Water | Mevinphos |
| 8141A | 3510C | Water | Naled |
| 8141A | 3510C | Water | Tokuthion |
| 8141A | 3510C | Water | Trichloronate |

| | | | |
|---|---|---|---|
| Oregon | NELAP | 4175 | 02-02-26 |

# Method Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8141A | Organophosphorous Pesticides (GC) | SW846 | EET CAL 4 |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | EET CAL 4 |

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EET CAL 4 = Eurofins Calscience  Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

# Sample Summary

Client: FGL Environmental
Project/Site: SP 2501198

Job ID: 570-215847-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 570-215847-1 | South Basin-Western Inlet | Water | 01/26/25 09:30 | 01/29/25 13:13 |
| 570-215847-2 | South Basin-Eastern Inlet | Water | 01/26/25 15:30 | 01/29/25 13:13 |

FGL ENVIRONMENTAL — AGRICULTURAL
Analytical Chemists

Loc: 570
215847

# Subcontract to Eurofins Calscience, Inc

## CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM



**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

**Sample Information** / **Test Description(s)**

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 8141 ***Requires MDL Reporting**** 1000ml(AGT) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 01/26/2025 | 09:30 | G | STM | | | | 1 |
| 2 | South Basin - Eastern Inlet | 01/26/2025 | 15:30 | G | STM | | | | 1 |

570-215847 Chain of Custody

Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
|---|---|---|---|---|---|---|---|---|
| Cm | 1/28/25 | 17:00 | | | | | | |
| **Received By:** | **Date** | **Time** | **Received By:** | **Date** | **Time** | **Received By:** | **Date** | **Time** |
| UPS | | | EC | 1/29/25 | 1313 | | | |

2.4/2.6 SCH

**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
CA ELAP Certification No. 2775

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810



VJ68

570-215847 Waybill

BRANDON QUELL
(805) 392-2000
FRUIT GROWERS LAB
853 CORPORATION ST.
SANTA PAULA CA 93060

**36 LBS**

**SHIP TO:**

ATTN: SAMPLE RECEIVING
EUROFINS CAL SCIENCE
2841 DOW AVENUE, #100
**TUSTIN CA 92780**

**CA 927 9-08**

**UPS GROUND**

TRACKING #: 1Z 992 031 03 6083 6077

BILLING: P/P

REF 1:1/28/25-AV

# Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 570-215847-1

**Login Number: 215847**

**List Number: 1**

**Creator: Patel, Jayesh**

**List Source: Eurofins Calscience**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

February 11, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

**Subject: Subcontract Analysis for FGL Lab No. SP 2501198**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 8260 - Appendix II

Please note that this analysis was performed by Zalco Laboratories, Inc.

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2025-02-11

Enclosure

Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

February 07, 2025

Cindy Aguirre

Fruit Growers Laboratory, Inc.
853 Corporation Street
Santa Paula, CA 93060

RE: Master

Zalco Work Order: 2501596

Zalco Project:

Enclosed are the results of analyses for samples received by our laboratory on 1/29/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andrea Magana For Juan Magana
Laboratory Technical Manager

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

# Subcontract to Zalco Laboratories, Inc.

2501596

## CHAIN OF CUSTODY AND ANALYSES REQUEST FORM





**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

**Sample Information** / **Test Description(s)**

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 8260 - Appendix II ***Report only the compounds on the 40CFR258 Appx II list*** | ***Requires MDL Reporting**** 40ml(GVT)- HCl |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 01/26/2025 | 09:30 | G | STM | | | | 4 | |
| 2 | South Basin - Eastern Inlet | 01/26/2025 | 15:30 | G | STM | | | | 4 | |
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Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting
4.5°C

| Relinquished | Date | Time |
|---|---|---|
| CM | 1/28/25 | 17:00 |
| Received By: UPS | Date | Time |

| Relinquished | Date | Time |
|---|---|---|
| | | |
| Received By: AIM | 1/29/25 | 12:36 |

| Relinquished | Date | Time |
|---|---|---|
| | | |
| Received By: | Date | Time |

**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
CA ELAP Certification No. 2775

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501198 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/07/2025 20:26 |

## Work Order Case Narrative

Sample results evaluated to the MDL

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

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Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501198 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/07/2025 20:26 |

## Sample Results

**Sample Name:** **South Basin- Western Inlet**

**Lab ID:** **2501596-01**

**Sampled Date - Time:** 1/26/2025 9:30:00AM
**Matrix:** Water
**Sample Type:** Grab

### Volatile Organic Compounds by GC/MS

| Analyte | Result | Report Limt | MDL | Units | Dilution | Date Analyzed | Method | Analyst Initials | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 50 | 48 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Acrolein | ND | 20 | 4.9 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Acrylonitrile | ND | 20 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Benzene | ND | 5.0 | 1.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromochloromethane | ND | 5.0 | 0.93 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromodichloromethane | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromoform | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromomethane | ND | 5.0 | 2.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2-Butanone | ND | 50 | 22 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Tert-butyl alcohol | ND | 25 | 7.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Carbon disulfide | ND | 5.0 | 2.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Carbon tetrachloride | ND | 5.0 | 1.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chlorobenzene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chloroethane | ND | 5.0 | 3.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2-Chloroethylvinyl ether | ND | 5.0 | 1.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chloroform | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chloromethane | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 2.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Dibromomethane | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1.9 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,4-Dichlorobenzene | ND | 5.0 | 2.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Dichlorodifluoromethane | ND | 5.0 | 0.91 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1-Dichloroethane | ND | 5.0 | 1.3 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dichloroethane | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1-Dichloroethene | ND | 5.0 | 1.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1.9 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dichloropropane | ND | 5.0 | 0.92 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| cis-1,3-Dichloropropene | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromobenzene | ND | 5.0 | 0.96 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| n-Butylbenzene | ND | 5.0 | 3.3 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| sec-Butylbenzene | ND | 5.0 | 2.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Ethyl acetate | ND | 50 | 7.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| tert-Butylbenzene | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2-Chlorotoluene | ND | 5.0 | 1.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Ethylbenzene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 4-Chlorotoluene | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |

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4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501198 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/07/2025 20:26 |

## Sample Results
**(Continued)**

**Sample Name:** **South Basin- Western Inlet (Continued)**
**Sampled Date - Time:** 1/26/2025 9:30:00AM
**Matrix:** Water
**Lab ID:** **2501596-01**
**Sample Type:** Grab

| Analyte | Result | Report Limt | MDL | Units | Dilution | Date Analyzed | Method | Analyst Initials | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS (Continued)** | | | | | | | | | |
| Dibromochloromethane | ND | 5.0 | 1.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,3-Dichloropropane | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Hexachlorobutadiene | ND | 5.0 | 3.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2,2-Dichloropropane | ND | 5.0 | 1.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1-Dichloropropene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2-Hexanone | ND | 50 | 32 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Di-isopropyl ether | ND | 5.0 | 1.3 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Ethyl tert-Butyl Ether | ND | 5.0 | 1.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Iodomethane | ND | 5.0 | 1.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 4-Isopropyltoluene | ND | 5.0 | 2.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Isopropylbenzene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Methyl tert-Butyl Ether | ND | 5.0 | 0.91 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| n-Propyl Benzene | ND | 5.0 | 2.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Tert-Amyl Methyl Ether | ND | 5.0 | 1.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 2.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1.9 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Methylene chloride | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 4-Methyl-2-pentanone | ND | 50 | 24 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Xylenes, total | 0.0 | | | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| m,p-Xylene | ND | 5.0 | 3.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| o-Xylene | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Naphthalene | ND | 5.0 | 3.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Styrene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Toluene | ND | 5.0 | 3.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Tetrachloroethene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 3.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Trichloroethene | ND | 5.0 | 0.85 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Trichlorofluoromethane | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Vinyl acetate | ND | 5.0 | 4.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Vinyl chloride | ND | 5.0 | 1.3 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| *Surrogate: 1,2-Dichloroethane-d4* | *103%* | | *72-130* | | | *1/30/25 16:33* | *SW846 8260B* | *JAM* | |

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Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501198 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/07/2025 20:26 |

## Sample Results
**(Continued)**

**Sample Name:** **South Basin- Western Inlet (Continued)** **Sampled Date - Time:** 1/26/2025 9:30:00AM
**Matrix:** Water
**Lab ID:** **2501596-01** **Sample Type:** Grab

| Analyte | Result | Report Limt | MDL | Units | Dilution | Date Analyzed | Method | Analyst Initials | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS (Continued)** | | | | | | | | | |
| *Surrogate: Toluene-d8* | *98.4%* | | *92-111* | | | *1/30/25 16:33* | *SW846 8260B* | *JAM* | |
| *Surrogate: 4-Bromofluorobenzene* | *98.1%* | | *87-108* | | | *1/30/25 16:33* | *SW846 8260B* | *JAM* | |

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661.395.0539

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|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501198 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/07/2025 20:26 |

## Sample Results
**(Continued)**

**Sample Name:** **South Basin- Eastern Inlet**
**Lab ID:** **2501596-02**

**Sampled Date - Time:** 1/26/2025 3:30:00PM
**Matrix:** Water
**Sample Type:** Grab

### Volatile Organic Compounds by GC/MS

| Analyte | Result | Report Limt | MDL | Units | Dilution | Date Analyzed | Method | Analyst Initials | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 50 | 48 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Acrolein | ND | 20 | 4.9 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Acrylonitrile | ND | 20 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Benzene | ND | 5.0 | 1.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromochloromethane | ND | 5.0 | 0.93 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromodichloromethane | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromoform | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromomethane | ND | 5.0 | 2.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2-Butanone | ND | 50 | 22 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Tert-butyl alcohol | ND | 25 | 7.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Carbon disulfide | ND | 5.0 | 2.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Carbon tetrachloride | ND | 5.0 | 1.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chlorobenzene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chloroethane | ND | 5.0 | 3.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2-Chloroethylvinyl ether | ND | 5.0 | 1.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chloroform | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chloromethane | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 2.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Dibromomethane | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1.9 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,4-Dichlorobenzene | ND | 5.0 | 2.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Dichlorodifluoromethane | ND | 5.0 | 0.91 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1-Dichloroethane | ND | 5.0 | 1.3 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dichloroethane | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1-Dichloroethene | ND | 5.0 | 1.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1.9 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dichloropropane | ND | 5.0 | 0.92 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| cis-1,3-Dichloropropene | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromobenzene | ND | 5.0 | 0.96 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| n-Butylbenzene | ND | 5.0 | 3.3 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| sec-Butylbenzene | ND | 5.0 | 2.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Ethyl acetate | ND | 50 | 7.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| tert-Butylbenzene | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2-Chlorotoluene | ND | 5.0 | 1.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Ethylbenzene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 4-Chlorotoluene | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |

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| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501198 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/07/2025 20:26 |

## Sample Results
**(Continued)**

**Sample Name:** **South Basin- Eastern Inlet (Continued)** **Sampled Date - Time:** 1/26/2025 3:30:00PM
**Matrix:** Water
**Lab ID:** **2501596-02** **Sample Type:** Grab

### Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Report Limt | MDL | Units | Dilution | Date Analyzed | Method | Analyst Initials | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | ND | 5.0 | 1.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,3-Dichloropropane | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Hexachlorobutadiene | ND | 5.0 | 3.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2,2-Dichloropropane | ND | 5.0 | 1.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1-Dichloropropene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2-Hexanone | ND | 50 | 32 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Di-isopropyl ether | ND | 5.0 | 1.3 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Ethyl tert-Butyl Ether | ND | 5.0 | 1.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Iodomethane | ND | 5.0 | 1.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 4-Isopropyltoluene | ND | 5.0 | 2.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Isopropylbenzene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Methyl tert-Butyl Ether | ND | 5.0 | 0.91 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| n-Propyl Benzene | ND | 5.0 | 2.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Tert-Amyl Methyl Ether | ND | 5.0 | 1.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 2.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 1.9 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Methylene chloride | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 4-Methyl-2-pentanone | ND | 50 | 24 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Xylenes, total | 0.0 | | | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| m,p-Xylene | ND | 5.0 | 3.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| o-Xylene | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Naphthalene | ND | 5.0 | 3.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Styrene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Toluene | ND | 5.0 | 3.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Tetrachloroethene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 3.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Trichloroethene | ND | 5.0 | 0.85 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Trichlorofluoromethane | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Vinyl acetate | ND | 5.0 | 4.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Vinyl chloride | ND | 5.0 | 1.3 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| *Surrogate: 1,2-Dichloroethane-d4* | *103%* | | *72-130* | | | *1/30/25 16:33* | *SW846 8260B* | *JAM* | |

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Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501198 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/07/2025 20:26 |

## Sample Results
**(Continued)**

**Sample Name:** **South Basin- Eastern Inlet (Continued)** **Sampled Date - Time:** 1/26/2025 3:30:00PM
**Matrix:** Water
**Lab ID:** **2501596-02** **Sample Type:** Grab

| Analyte | Result | Report Limt | MDL | Units | Dilution | Date Analyzed | Method | Analyst Initials | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS (Continued)** | | | | | | | | | |
| *Surrogate: Toluene-d8* | *99.9%* | | *92-111* | | | *1/30/25 16:33* | *SW846 8260B* | *JAM* | |
| *Surrogate: 4-Bromofluorobenzene* | *100%* | | *87-108* | | | *1/30/25 16:33* | *SW846 8260B* | *JAM* | |

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Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501198 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/07/2025 20:26 |

## Quality Control

### Volatile Organic Compounds by GC/MS

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: 5B00177 - EPA 5030B*** | | | | | | | | | | |
| **Blank (5B00177-BLK1)** | | | | | Prepared & Analyzed: 1/30/2025 | | | | | |
| Acetone | ND | | 50 | ug/L | | | | | | |
| Acrolein | ND | | 20 | ug/L | | | | | | |
| Acrylonitrile | ND | | 20 | ug/L | | | | | | |
| Benzene | ND | | 5.0 | ug/L | | | | | | |
| Bromochloromethane | ND | | 5.0 | ug/L | | | | | | |
| Bromodichloromethane | ND | | 5.0 | ug/L | | | | | | |
| Bromoform | ND | | 5.0 | ug/L | | | | | | |
| Bromomethane | ND | | 5.0 | ug/L | | | | | | |
| 2-Butanone | ND | | 50 | ug/L | | | | | | |
| Tert-butyl alcohol | ND | | 25 | ug/L | | | | | | |
| Carbon disulfide | ND | | 5.0 | ug/L | | | | | | |
| Carbon tetrachloride | ND | | 5.0 | ug/L | | | | | | |
| Chlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| Chloroethane | ND | | 5.0 | ug/L | | | | | | |
| 2-Chloroethylvinyl ether | ND | | 5.0 | ug/L | | | | | | |
| Chloroform | ND | | 5.0 | ug/L | | | | | | |
| Chloromethane | ND | | 5.0 | ug/L | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | ug/L | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | | 5.0 | ug/L | | | | | | |
| Dibromomethane | ND | | 5.0 | ug/L | | | | | | |
| 1,2-Dichlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| 1,3-Dichlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| 1,4-Dichlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| Dichlorodifluoromethane | ND | | 5.0 | ug/L | | | | | | |
| 1,1-Dichloroethane | ND | | 5.0 | ug/L | | | | | | |
| 1,2-Dichloroethane | ND | | 5.0 | ug/L | | | | | | |
| 1,1-Dichloroethene | ND | | 5.0 | ug/L | | | | | | |
| trans-1,2-Dichloroethene | ND | | 5.0 | ug/L | | | | | | |
| 1,2-Dichloropropane | ND | | 5.0 | ug/L | | | | | | |
| cis-1,3-Dichloropropene | ND | | 5.0 | ug/L | | | | | | |
| trans-1,3-Dichloropropene | ND | | 5.0 | ug/L | | | | | | |
| Bromobenzene | ND | | 5.0 | ug/L | | | | | | |
| n-Butylbenzene | ND | | 5.0 | ug/L | | | | | | |
| sec-Butylbenzene | ND | | 5.0 | ug/L | | | | | | |
| Ethyl acetate | ND | | 50 | ug/L | | | | | | |
| tert-Butylbenzene | ND | | 5.0 | ug/L | | | | | | |
| 2-Chlorotoluene | ND | | 5.0 | ug/L | | | | | | |
| Ethylbenzene | ND | | 5.0 | ug/L | | | | | | |
| 4-Chlorotoluene | ND | | 5.0 | ug/L | | | | | | |
| Dibromochloromethane | ND | | 5.0 | ug/L | | | | | | |
| cis-1,2-Dichloroethene | ND | | 5.0 | ug/L | | | | | | |
| 1,3-Dichloropropane | ND | | 5.0 | ug/L | | | | | | |
| Hexachlorobutadiene | ND | | 5.0 | ug/L | | | | | | |
| 2,2-Dichloropropane | ND | | 5.0 | ug/L | | | | | | |
| 1,1-Dichloropropene | ND | | 5.0 | ug/L | | | | | | |
| 2-Hexanone | ND | | 50 | ug/L | | | | | | |
| Di-isopropyl ether | ND | | 5.0 | ug/L | | | | | | |

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Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501198 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/07/2025 20:26 |

## Quality Control
**(Continued)**

### Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: 5B00177 - EPA 5030B (Continued)*** | | | | | | | | | | |
| **Blank (5B00177-BLK1)** | | | | | Prepared & Analyzed: 1/30/2025 | | | | | |
| Ethyl tert-Butyl Ether | ND | | 5.0 | ug/L | | | | | | |
| Iodomethane | ND | | 5.0 | ug/L | | | | | | |
| 4-Isopropyltoluene | ND | | 5.0 | ug/L | | | | | | |
| Isopropylbenzene | ND | | 5.0 | ug/L | | | | | | |
| Methyl tert-Butyl Ether | ND | | 5.0 | ug/L | | | | | | |
| n-Propyl Benzene | ND | | 5.0 | ug/L | | | | | | |
| Tert-Amyl Methyl Ether | ND | | 5.0 | ug/L | | | | | | |
| 1,2,3-Trichlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | 5.0 | ug/L | | | | | | |
| Methylene chloride | ND | | 5.0 | ug/L | | | | | | |
| 1,3,5-Trimethylbenzene | ND | | 5.0 | ug/L | | | | | | |
| 4-Methyl-2-pentanone | ND | | 50 | ug/L | | | | | | |
| Xylenes, total | 0.0 | | | ug/L | | | | | | |
| m,p-Xylene | ND | | 5.0 | ug/L | | | | | | |
| o-Xylene | ND | | 5.0 | ug/L | | | | | | |
| Naphthalene | ND | | 5.0 | ug/L | | | | | | |
| Styrene | ND | | 5.0 | ug/L | | | | | | |
| Toluene | ND | | 5.0 | ug/L | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | ug/L | | | | | | |
| Tetrachloroethene | ND | | 5.0 | ug/L | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 5.0 | ug/L | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| 1,1,1-Trichloroethane | ND | | 5.0 | ug/L | | | | | | |
| 1,1,2-Trichloroethane | ND | | 5.0 | ug/L | | | | | | |
| Trichloroethene | ND | | 5.0 | ug/L | | | | | | |
| Trichlorofluoromethane | ND | | 5.0 | ug/L | | | | | | |
| 1,2,3-Trichloropropane | ND | | 5.0 | ug/L | | | | | | |
| Vinyl acetate | ND | | 5.0 | ug/L | | | | | | |
| Vinyl chloride | ND | | 5.0 | ug/L | | | | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | | 5.0 | ug/L | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | | | *54.9* | *ug/L* | *50.0* | | *110* | *72-130* | | |
| *Surrogate: Toluene-d8* | | | *46.3* | *ug/L* | *50.0* | | *92.6* | *92-111* | | |
| *Surrogate: 4-Bromofluorobenzene* | | | *52.7* | *ug/L* | *50.0* | | *105* | *87-108* | | |

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| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501198 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/07/2025 20:26 |

## Quality Control
**(Continued)**

### Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: 5B00177 - EPA 5030B (Continued)*** | | | | | | | | | | |
| **LCS (5B00177-BS1)** | | | | | Prepared & Analyzed: 1/30/2025 | | | | | |
| Benzene | 44 | | 5.0 | ug/L | 50.0 | | 88.2 | 84-158 | | |
| Chlorobenzene | 40 | | 5.0 | ug/L | 50.0 | | 79.0 | 9.64-172 | | |
| 1,1-Dichloroethene | 41 | JMM-05 | 5.0 | ug/L | 50.0 | | 82.9 | 93-220 | | |
| Toluene | 38 | | 5.0 | ug/L | 50.0 | | 76.8 | 66-147 | | |
| Trichloroethene | 42 | JMM-05 | 5.0 | ug/L | 50.0 | | 84.6 | 86-146 | | |
| *Surrogate: 1,2-Dichloroethane-d4* | | | *47.8* | *ug/L* | *50.0* | | *95.6* | *72-130* | | |
| *Surrogate: Toluene-d8* | | | *50.1* | *ug/L* | *50.0* | | *100* | *92-111* | | |
| *Surrogate: 4-Bromofluorobenzene* | | | *47.4* | *ug/L* | *50.0* | | *94.9* | *87-108* | | |
| **Matrix Spike (5B00177-MS1)** | | **Source: 2501534-01** | | | Prepared & Analyzed: 1/30/2025 | | | | | |
| Benzene | 42 | | 5.0 | ug/L | 50.0 | ND | 84.7 | 77-164 | | |
| Chlorobenzene | 38 | | 5.0 | ug/L | 50.0 | ND | 76.2 | 18-182 | | |
| 1,1-Dichloroethene | 37 | | 5.0 | ug/L | 50.0 | ND | 73.1 | 73-224 | | |
| Toluene | 37 | | 5.0 | ug/L | 50.0 | ND | 73.1 | 64-149 | | |
| Trichloroethene | 41 | | 5.0 | ug/L | 50.0 | ND | 82.0 | 76-159 | | |
| *Surrogate: 1,2-Dichloroethane-d4* | | | *49.9* | *ug/L* | *50.0* | | *99.8* | *72-130* | | |
| *Surrogate: Toluene-d8* | | | *49.7* | *ug/L* | *50.0* | | *99.4* | *92-111* | | |
| *Surrogate: 4-Bromofluorobenzene* | | | *48.1* | *ug/L* | *50.0* | | *96.2* | *87-108* | | |
| **Matrix Spike Dup (5B00177-MSD1)** | | **Source: 2501534-01** | | | Prepared & Analyzed: 1/30/2025 | | | | | |
| Benzene | 44 | | 5.0 | ug/L | 50.0 | ND | 88.0 | 77-164 | 3.82 | 20 |
| Chlorobenzene | 40 | | 5.0 | ug/L | 50.0 | ND | 80.7 | 18-182 | 5.63 | 20 |
| 1,1-Dichloroethene | 41 | | 5.0 | ug/L | 50.0 | ND | 81.2 | 73-224 | 10.5 | 20 |
| Toluene | 39 | | 5.0 | ug/L | 50.0 | ND | 77.2 | 64-149 | 5.40 | 20 |
| Trichloroethene | 43 | | 5.0 | ug/L | 50.0 | ND | 86.2 | 76-159 | 5.04 | 20 |
| *Surrogate: 1,2-Dichloroethane-d4* | | | *50.3* | *ug/L* | *50.0* | | *101* | *72-130* | | |
| *Surrogate: Toluene-d8* | | | *49.5* | *ug/L* | *50.0* | | *99.0* | *92-111* | | |
| *Surrogate: 4-Bromofluorobenzene* | | | *47.8* | *ug/L* | *50.0* | | *95.6* | *87-108* | | |

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Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501198 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/07/2025 20:26 |

## Notes and Definitions

| Item | Definition |
|---|---|
| JMM-05 | Percent recoveries are out of Zalco acceptance range. However, they are within EPA limits. |
| Dry | Sample results reported on a dry weight basis. |
| ND | Analyte NOT DETECTED at or above the reporting limit. |
| RPD | Relative Percent Difference |
| %REC | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated. |

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ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

February 20, 2025

**Lab No. : SP 2501198**
**Customer No. : 2028560**

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

## Laboratory Report

**Introduction:** This report package contains a total of 11 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (5 pages) | : Results for each sample submitted. |
| Quality Control | (5 pages) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab No. | Matrix |
|---|---|---|---|---|
| South Basin - Western Inlet | 01/26/2025 | 01/27/2025 | SP 2501198-001 | STM |
| South Basin - Eastern Inlet | 01/26/2025 | 01/27/2025 | SP 2501198-002 | STM |

**Sampling and Receipt Information:**

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

| Test Summary | |
|---|---|
| EPA 200.7 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 200.8 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 245.1 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 420.1 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 8082 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-CN E | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-S D | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |

**Discussion of Analytical Results:**

Case Narrative - 02/20/25 - The EPA 8081 results will be reported upon completion of analysis.

**Certification:** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: SMH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2025-02-20



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CA ELAP Certification No. 2810

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

February 20, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-Appendix II

**Lab No. : SP 2501198-001**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Antimony | 0.00188 | 0.0005 | 0.00038 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Arsenic | 0.00718 | 0.002 | 0.00042 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Barium | 0.201 | 0.001 | 0.00027 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Beryllium | 0.000741 | 0.0005 | 0.000082 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Cadmium | 0.000389 | 0.0002 | 0.00011 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Chromium | 0.0182 | 0.0005 | 0.00045 | mg/L | 1 | h | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Cobalt | 0.00772 | 0.001 | 0.000080 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Copper | 0.0355 | 0.0005 | 0.00019 | mg/L | 1 | hl | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Lead | 0.0166 | 0.0005 | 0.00010 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Mercury | 0.000034 | 0.00002 | 0.000008 | mg/L | 1 | | 01/29/2025 | 11:00 | ejc | EPA 245.1 | 01/30/2025 | 10:55 | ejc |
| Nickel | 0.0157 | 0.001 | 0.00050 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Selenium | 0.00447 | 0.002 | 0.00051 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Silver | 0.000446 | 0.00025 | 0.000072 | mg/L | 1 | l | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Thallium | 0.0000360 | 0.001 | 0.000024 | mg/L | 1 | J | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Tin | ND | 0.02 | 0.0025 | mg/L | 1 | U | 02/19/2025 | 05:00 | ejc | EPA 200.7 | 02/19/2025 | 12:04 | ac |
| Vanadium | 0.0299 | 0.002 | 0.00061 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Zinc | 0.0902 | 0.01 | 0.00042 | mg/L | 1 | lh | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Cyanide, Total | 0.000342 | 0.004 | -0.00046 | mg/L | 1 | J | 02/05/2025 | 16:35 | amm | SM 4500-CN E | 02/06/2025 | 17:48 | amm |
| Phenols | 0.0783 | 0.1 | 0.070 | mg/L | 1 | J | 02/09/2025 | 18:57 | amm | EPA 420.1 | 02/09/2025 | 23:03 | amm |
| Sulfide, Total | 0.0286 | 0.1 | 0.024 | mg/L | 1 | J | 01/29/2025 | 15:30 | ctl | SM 4500-S D | 01/29/2025 | 17:00 | ctl |

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level.



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February 20, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-Appendix II

**Lab No. : SP 2501198-001**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Organic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 8082** | | | | | | | | | | | | | |
| Tetrachloro-m-xylene ‡ | 31.7 | 14-157 | | % | 0.9 | | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1016/1242 | ND | 0.472 | 0.23 | ug/L | 0.9 | U | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1221 | ND | 0.472 | 0.32 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1232 | ND | 0.472 | 0.28 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1248 | ND | 0.472 | 0.23 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1254 | ND | 0.472 | 0.33 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1260 | ND | 0.472 | 0.13 | ug/L | 0.9 | U | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1242 | ND | 0.472 | 0.27 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |

DQF Flags Definition:
U Constituent results were non-detect.
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.



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February 20, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

**Lab No. : SP 2501198-002**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Antimony | 0.00356 | 0.0005 | 0.00038 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Arsenic | 0.0485 | 0.002 | 0.00042 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Barium | 0.928 | 0.005 | 0.0014 | mg/L | 5 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/31/2025 | 12:30 | ac |
| Beryllium | 0.00667 | 0.0005 | 0.000082 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Cadmium | 0.00906 | 0.0002 | 0.00011 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Chromium | 0.0773 | 0.0005 | 0.00045 | mg/L | 1 | h | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Cobalt | 0.0714 | 0.001 | 0.000080 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Copper | 0.301 | 0.0005 | 0.00019 | mg/L | 1 | hl | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Lead | 0.292 | 0.0005 | 0.00010 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Mercury | 0.000409 | 0.00002 | 0.000008 | mg/L | 1 | | 01/29/2025 | 11:00 | ejc | EPA 245.1 | 01/30/2025 | 11:08 | ejc |
| Nickel | 0.103 | 0.001 | 0.00050 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Selenium | 0.00392 | 0.002 | 0.00051 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Silver | 0.00134 | 0.00025 | 0.000072 | mg/L | 1 | l | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Thallium | 0.000121 | 0.001 | 0.000024 | mg/L | 1 | J | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Tin | ND | 0.02 | 0.0025 | mg/L | 1 | U | 02/19/2025 | 05:00 | ejc | EPA 200.7 | 02/19/2025 | 12:11 | ac |
| Vanadium | 0.244 | 0.002 | 0.00061 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Zinc | 2.01 | 0.05 | 0.0021 | mg/L | 5 | l | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/31/2025 | 12:30 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Cyanide, Total | -0.000147 | 0.004 | -0.00046 | mg/L | 1 | J | 02/05/2025 | 16:35 | amm | SM 4500-CN E | 02/06/2025 | 17:48 | amm |
| Phenols | 0.0854 | 0.1 | 0.070 | mg/L | 1 | J | 02/09/2025 | 18:57 | amm | EPA 420.1 | 02/09/2025 | 23:03 | amm |
| Sulfide, Total | 0.0255 | 0.1 | 0.024 | mg/L | 1 | J | 01/29/2025 | 15:30 | ctl | SM 4500-S D | 01/29/2025 | 17:00 | ctl |

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
U Constituent results were non-detect.
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

ND=Non-Detected, RL=Reporting Level. ‡ Surrogate.



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February 20, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

**Lab No. : SP 2501198-002**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Organic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 8082** | | | | | | | | | | | | | |
| Tetrachloro-m-xylene ‡ | 13.4 | 14-157 | | % | 0.9 | L | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1016/1242 | ND | 0.472 | 0.23 | ug/L | 0.9 | U | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1221 | ND | 0.472 | 0.32 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1232 | ND | 0.472 | 0.28 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1248 | ND | 0.472 | 0.23 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1254 | ND | 0.472 | 0.33 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1260 | ND | 0.472 | 0.13 | ug/L | 0.9 | U | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1242 | ND | 0.472 | 0.27 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |

DQF Flags Definition:
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.
U Constituent results were non-detect.



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February 20, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

**Lab No. : SP 2501198-002**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Field Test

| Constituent | Result | RL | Units | Note | Sample Preparation | | Sample Analysis | |
|---|---|---|---|---|---|---|---|---|
| **Field Test** | | | | | Method | Date Time | Method | Date Time |
| pH (Field) | 8.29 | | units | | | 01/26/2025 15:30 | 4500HB | 01/26/2025 15:30 |

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.



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February 20, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Tin | 200.7 | 02/19/2025:201839EJC | Blank | mg/L | | ND | <0.02 | |
| | | | LCS | mg/L | 0.4800 | 96.3% | 85-115 | |
| | | | MS | mg/L | 0.4800 | 95.4% | 75-125 | |
| | | (STK2532201-001) | MSD | mg/L | 0.4800 | 95.5% | 75-125 | |
| | | | MSRPD | mg/L | | 0.1% | ≤20.0 | |
| | | | MS | mg/L | 0.4800 | 93.0% | 75-125 | |
| | | (STK2532311-001) | MSD | mg/L | 0.4800 | 97.6% | 75-125 | |
| | | | MSRPD | mg/L | | 4.8% | ≤20.0 | |
| Antimony | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 50.00 | 95.2% | 85-115 | |
| | | | MS | ug/L | 50.00 | 101% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 101% | 75-125 | |
| | | | MSRPD | ug/L | | 0.2% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | 97.6% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 106% | 75-125 | |
| | | | MSRPD | ug/L | | 6.5% | ≤20.0 | |
| Arsenic | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 50.00 | 99.4% | 85-115 | |
| | | | MS | ug/L | 50.00 | 102% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 105% | 75-125 | |
| | | | MSRPD | ug/L | | 2.5% | ≤20 | |
| | | | MS | ug/L | 50.00 | 100% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 108% | 75-125 | |
| | | | MSRPD | ug/L | | 6.7% | ≤20 | |
| Barium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 50.00 | 96.7% | 85-115 | |
| | | | MS | ug/L | 50.00 | 101% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 103% | 75-125 | |
| | | | MSRPD | ug/L | | 1.5% | ≤20 | |
| | | | MS | ug/L | 50.00 | 97.5% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 108% | 75-125 | |
| | | | MSRPD | ug/L | | 2.9% | ≤20 | |
| Beryllium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 50.00 | 92.0% | 85-115 | |
| | | | MS | ug/L | 50.00 | 94.8% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 95.7% | 75-125 | |
| | | | MSRPD | ug/L | | 0.9% | ≤20 | |
| | | | MS | ug/L | 50.00 | 92.3% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 98.2% | 75-125 | |
| | | | MSRPD | ug/L | | 6.2% | ≤20 | |
| Cadmium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 50.00 | 96.5% | 85-115 | |
| | | | MS | ug/L | 50.00 | 103% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 104% | 75-125 | |
| | | | MSRPD | ug/L | | 0.9% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | 99.7% | 75-125 | |



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February 20, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 102% | 75-125 | |
| | | | MSRPD | ug/L | | 1.1% | ≤20.0 | |
| Chromium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 50.00 | 98.9% | 85-115 | |
| | | | MS | ug/L | 50.00 | 125% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 125% | 75-125 | |
| | | | MSRPD | ug/L | | 0.2% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | 130% | 75-125 | 435 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 137% | 75-125 | 435 |
| | | | MSRPD | ug/L | | 2.4% | ≤20.0 | |
| Cobalt | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 50.00 | 98.6% | 85-115 | |
| | | | MS | ug/L | 50.00 | 103% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 104% | 75-125 | |
| | | | MSRPD | ug/L | | 0.9% | ≤20 | |
| | | | MS | ug/L | 50.00 | 99.5% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 107% | 75-125 | |
| | | | MSRPD | ug/L | | 6.8% | ≤20 | |
| Copper | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 50.00 | 98.2% | 85-115 | |
| | | | MS | ug/L | 50.00 | 18.8% | <¼ | 406 |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 118% | 75-125 | |
| | | | MSRPD | ug/L | | 5.7% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | -35.2% | 75-125 | 435 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | -35.8% | 75-125 | 435 |
| | | | MSRPD | ug/L | | 0.4% | ≤20.0 | |
| Lead | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 50.00 | 96.2% | 85-115 | |
| | | | MS | ug/L | 50.00 | 99.2% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 100% | 75-125 | |
| | | | MSRPD | ug/L | | 1.0% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | 97.8% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 106% | 75-125 | |
| | | | MSRPD | ug/L | | 5.3% | ≤20.0 | |
| Nickel | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 50.00 | 98.9% | 85-115 | |
| | | | MS | ug/L | 50.00 | 123% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 121% | 75-125 | |
| | | | MSRPD | ug/L | | 1.6% | ≤20 | |
| | | | MS | ug/L | 50.00 | 139% | <¼ | 406 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 149% | <1/4 | |
| | | | MSRPD | ug/L | | 1.8% | ≤20 | |
| Selenium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 50.00 | 102% | 85-115 | |
| | | | MS | ug/L | 50.00 | 102% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 104% | 75-125 | |
| | | | MSRPD | ug/L | | 2.3% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | 95.0% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 106% | 75-125 | |
| | | | MSRPD | ug/L | | 10.6% | ≤20.0 | |
| Silver | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.25 | |



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February 20, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | LCS | ug/L | 50.00 | 91.2% | 85-115 | |
| | | | MS | ug/L | 50.00 | 35.8% | 75-125 | 435 |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 25.7% | 75-125 | 435 |
| | | | MSRPD | ug/L | | 31.6% | ≤20.0 | 435 |
| | | | MS | ug/L | 50.00 | 23.9% | 75-125 | 435 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 22.0% | 75-125 | 435 |
| | | | MSRPD | ug/L | | 4.9% | ≤20.0 | |
| Thallium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 50.00 | 96.4% | 85-115 | |
| | | | MS | ug/L | 50.00 | 100% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 103% | 75-125 | |
| | | | MSRPD | ug/L | | 2.3% | ≤20 | |
| | | | MS | ug/L | 50.00 | 98.7% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 106% | 75-125 | |
| | | | MSRPD | ug/L | | 7.2% | ≤20 | |
| Vanadium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 50.00 | 97.9% | 85-115 | |
| | | | MS | ug/L | 50.00 | 104% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 105% | 75-125 | |
| | | | MSRPD | ug/L | | 1.5% | ≤20 | |
| | | | MS | ug/L | 50.00 | 109% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 114% | 75-125 | |
| | | | MSRPD | ug/L | | 2.6% | ≤20 | |
| Zinc | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 50.00 | 90.6% | 85-115 | |
| | | | MS | ug/L | 50.00 | 49.7% | 75-125 | 435 |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 92.6% | 75-125 | |
| | | | MSRPD | ug/L | | 10.5% | ≤20 | |
| | | | MS | ug/L | 50.00 | -201% | <¼ | 406 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | -157% | <1/4 | |
| | | | MSRPD | ug/L | | 1.6% | ≤20 | |
| Mercury | 245.1 | 01/29/2025:201039EJC | Blank | ug/L | | ND | <0.02 | |
| | | | LCS | ug/L | 0.2000 | 103% | 85-115 | |
| | | | MS | ug/L | 0.2000 | 90.8% | 75-125 | |
| | | (VI 2540568-001) | MSD | ug/L | 0.2000 | 90.8% | 75-125 | |
| | | | MSRPD | ug/L | | 0.0% | ≤20 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND : Non-detect - Result was below the DQO listed for the analyte.

**Explanation**

406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.


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February 20, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| PCB 1016 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 102% | 22-128 | |
| | | | BS | ug/L | 2.500 | 73.0% | 18-135 | |
| | | | BSD | ug/L | 2.500 | 95.2% | 18-135 | |
| | | | BSRPD | ug/L | | 26.4% | ≤28 | |
| PCB 1221 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | BS | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSD | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSRPD | ug/L | | 0.0% | ≤50.0 | |
| PCB 1232 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | BS | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSD | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSRPD | ug/L | | 0.0% | ≤50.0 | |
| PCB 1242 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | BS | ug/L | 0.000 | 0.0% | 23-135 | 436 |
| | | | BSD | ug/L | 0.000 | 0.0% | 23-135 | 436 |
| | | | BSRPD | ug/L | | 0.0% | ≤47.9 | |
| PCB 1248 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | BS | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSD | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSRPD | ug/L | | 0.0% | ≤50.0 | |
| PCB 1254 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | BS | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSD | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSRPD | ug/L | | 0.0% | ≤41.7 | |
| PCB 1260 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 105% | 15-141 | |
| | | | BS | ug/L | 2.500 | 94.8% | 20-144 | |
| | | | BSD | ug/L | 2.500 | 109% | 20-144 | |
| | | | BSRPD | ug/L | | 14.1% | ≤28 | |
| Tetrachloro-m-xylene | 8082A | 01/28/2025:201002CTC | Blank | ug/L | 0.5000 | 70.7% | 14-157 | |
| | | | LCS | ug/L | 0.5000 | 68.8% | 14-157 | |
| | | | BS | ug/L | 0.5000 | 65.8% | 14-157 | |
| | | | BSD | ug/L | 0.5000 | 72.5% | 30.0 | |
| | | | BSRPD | ug/L | | 9.7% | ≤30.0 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

**Explanation**

436 : Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.



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February 20, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Wet Chem

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Phenols | 420.1 | 02/09/2025:201420AMM | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 1.000 | 99.1% | 85-105 | |
| | | | MS | mg/L | 1.000 | 91.2% | 60-105 | |
| | | (CC 2580334-002) | MSD | mg/L | 1.000 | 85.6% | 60-105 | |
| | | | MSRPD | mg/L | | 5.9% | ≤19.1 | |
| Cyanide, Total | 4500CNCE | 02/05/2025:201281AMM | Blank | mg/L | | ND | <0.004 | |
| | | | LCS | mg/L | 0.1000 | 96.0% | 90-110 | |
| | | | LCS | mg/L | 0.4000 | 95.1% | 90-110 | |
| | | | MS | mg/L | 0.05000 | 111% | 99-137 | |
| | | (VI 2540568-001) | MSD | mg/L | 0.05000 | 105% | 99-137 | |
| | | | MSRPD | mg/L | | 5.4% | ≤36 | |
| Sulfide, Total | 4500S D | 01/29/2025:201059CTL | LCS | mg/L | 0.6667 | 99.6% | 75-125 | |
| | | (SP 2501197-001) | Dup | mg/L | | 10.2% | 20 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.



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February 21, 2025

**Lab No. : SP 2501198**
**Customer No. : 2028560**

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

## Laboratory Report

**Introduction:** This report package contains a total of 17 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (2 pages) | : An overview of the work performed at FGL. |
| Sample Results | (7 pages) | : Results for each sample submitted. |
| Quality Control | (8 pages) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab No. | Matrix |
|---|---|---|---|---|
| South Basin - Western Inlet | 01/26/2025 | 01/27/2025 | SP 2501198-001 | STM |
| South Basin - Eastern Inlet | 01/26/2025 | 01/27/2025 | SP 2501198-002 | STM |

Approved By: **Kelly A. Dunnahoo, B.S.** Digitally Signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2025-02-21

**Sampling and Receipt Information:**

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

| Test Summary | |
|---|---|
| 608/8081 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 200.7 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 200.8 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 245.1 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 420.1 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 8082 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-CN E | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-S D | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |

**Discussion of Analytical Results:**

Amended Note - 02/21/25 - Amended to include EPA 8081 results.

**Certification:** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: SMH



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February 21, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-Appendix II

**Lab No. : SP 2501198-001**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Antimony | 0.00188 | 0.0005 | 0.00038 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Arsenic | 0.00718 | 0.002 | 0.00042 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Barium | 0.201 | 0.001 | 0.00027 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Beryllium | 0.000741 | 0.0005 | 0.000082 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Cadmium | 0.000389 | 0.0002 | 0.00011 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Chromium | 0.0182 | 0.0005 | 0.00045 | mg/L | 1 | h | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Cobalt | 0.00772 | 0.001 | 0.000080 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Copper | 0.0355 | 0.0005 | 0.00019 | mg/L | 1 | hl | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Lead | 0.0166 | 0.0005 | 0.00010 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Mercury | 0.000034 | 0.00002 | 0.000008 | mg/L | 1 | | 01/29/2025 | 11:00 | ejc | EPA 245.1 | 01/30/2025 | 10:55 | ejc |
| Nickel | 0.0157 | 0.001 | 0.00050 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Selenium | 0.00447 | 0.002 | 0.00051 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Silver | 0.000446 | 0.00025 | 0.000072 | mg/L | 1 | l | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Thallium | 0.0000360 | 0.001 | 0.000024 | mg/L | 1 | J | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Tin | ND | 0.02 | 0.0025 | mg/L | 1 | U | 02/19/2025 | 05:00 | ejc | EPA 200.7 | 02/19/2025 | 12:04 | ac |
| Vanadium | 0.0299 | 0.002 | 0.00061 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| Zinc | 0.0902 | 0.01 | 0.00042 | mg/L | 1 | lh | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 17:17 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Cyanide, Total | 0.000342 | 0.004 | -0.00046 | mg/L | 1 | J | 02/05/2025 | 16:35 | amm | SM 4500-CN E | 02/06/2025 | 17:48 | amm |
| Phenols | 0.0783 | 0.1 | 0.070 | mg/L | 1 | J | 02/09/2025 | 18:57 | amm | EPA 420.1 | 02/09/2025 | 23:03 | amm |
| Sulfide, Total | 0.0286 | 0.1 | 0.024 | mg/L | 1 | J | 01/29/2025 | 15:30 | ctl | SM 4500-S D | 01/29/2025 | 17:00 | ctl |

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
U Constituent results were non-detect.
I The RPD for the laboratory duplicate exceeded laboratory criteria.

ND=Non-Detected, RL=Reporting Level.



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February 21, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-Appendix II

**Lab No. : SP 2501198-001**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Organic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 8081** | | | | | | | | | | | | | |
| Tetrachloro-m-xylene ‡ | 33.3 | 5-124 | | % | 0.9 | I | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Aldrin | ND | 0.0472 | 0.011 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Alpha BHC | ND | 0.0472 | 0.0088 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Beta BHC | ND | 0.0472 | 0.023 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Delta BHC | ND | 0.0472 | 0.0094 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Gamma BHC (Lindane) | ND | 0.0377 | 0.041 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Chlordane | ND | 0.0943 | 0.085 | ug/L | 0.9 | UI | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| alpha-Chlordane | ND | 0.0472 | 0.018 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| gamma-Chlordane | ND | 0.0472 | 0.022 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| 4,4 - DDD | ND | 0.0472 | 0.011 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| 4,4 - DDE | ND | 0.0472 | 0.011 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| 4,4 - DDT | ND | 0.0472 | 0.025 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/20/2025 | 18:32 | sbl |
| Dieldrin | ND | 0.0472 | 0.026 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Endosulfan I | ND | 0.0472 | 0.010 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Endosulfan II | ND | 0.0189 | 0.016 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Endosulfan Sulfate | ND | 0.0472 | 0.0062 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Endrin | ND | 0.0472 | 0.0083 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Endrin Aldehyde | ND | 0.0283 | 0.0051 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Endrin Ketone | ND | 0.0472 | 0.014 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Heptachlor | ND | 0.0472 | 0.0068 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Heptachlor Epoxide | ND | 0.0472 | 0.028 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| Methoxychlor | ND | 0.0943 | 0.052 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/20/2025 | 18:32 | sbl |
| Toxaphene | ND | 0.472 | 0.11 | ug/L | 0.9 | UI | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 02:24 | sbl |
| **EPA 8082** | | | | | | | | | | | | | |
| Tetrachloro-m-xylene ‡ | 31.7 | 14-157 | | % | 0.9 | | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1016/1242 | ND | 0.472 | 0.23 | ug/L | 0.9 | U | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1221 | ND | 0.472 | 0.32 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1232 | ND | 0.472 | 0.28 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1248 | ND | 0.472 | 0.23 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1254 | ND | 0.472 | 0.33 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1260 | ND | 0.472 | 0.13 | ug/L | 0.9 | U | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |
| PCB 1242 | ND | 0.472 | 0.27 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 02:44 | sbl |



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DQF Flags Definition:
I The RPD for the laboratory duplicate exceeded laboratory criteria.
U Constituent results were non-detect.
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.

February 21, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

**Lab No. : SP 2501198-002**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Antimony | 0.00356 | 0.0005 | 0.00038 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Arsenic | 0.0485 | 0.002 | 0.00042 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Barium | 0.928 | 0.005 | 0.0014 | mg/L | 5 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/31/2025 | 12:30 | ac |
| Beryllium | 0.00667 | 0.0005 | 0.000082 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Cadmium | 0.00906 | 0.0002 | 0.00011 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Chromium | 0.0773 | 0.0005 | 0.00045 | mg/L | 1 | h | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Cobalt | 0.0714 | 0.001 | 0.000080 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Copper | 0.301 | 0.0005 | 0.00019 | mg/L | 1 | hl | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Lead | 0.292 | 0.0005 | 0.00010 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Mercury | 0.000409 | 0.00002 | 0.000008 | mg/L | 1 | | 01/29/2025 | 11:00 | ejc | EPA 245.1 | 01/30/2025 | 11:08 | ejc |
| Nickel | 0.103 | 0.001 | 0.00050 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Selenium | 0.00392 | 0.002 | 0.00051 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Silver | 0.00134 | 0.00025 | 0.000072 | mg/L | 1 | l | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Thallium | 0.000121 | 0.001 | 0.000024 | mg/L | 1 | J | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Tin | ND | 0.02 | 0.0025 | mg/L | 1 | U | 02/19/2025 | 05:00 | ejc | EPA 200.7 | 02/19/2025 | 12:11 | ac |
| Vanadium | 0.244 | 0.002 | 0.00061 | mg/L | 1 | | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/30/2025 | 16:30 | ac |
| Zinc | 2.01 | 0.05 | 0.0021 | mg/L | 5 | l | 01/29/2025 | 08:00 | ejc | EPA 200.8 | 01/31/2025 | 12:30 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Cyanide, Total | -0.000147 | 0.004 | -0.00046 | mg/L | 1 | J | 02/05/2025 | 16:35 | amm | SM 4500-CN E | 02/06/2025 | 17:48 | amm |
| Phenols | 0.0854 | 0.1 | 0.070 | mg/L | 1 | J | 02/09/2025 | 18:57 | amm | EPA 420.1 | 02/09/2025 | 23:03 | amm |
| Sulfide, Total | 0.0255 | 0.1 | 0.024 | mg/L | 1 | J | 01/29/2025 | 15:30 | ctl | SM 4500-S D | 01/29/2025 | 17:00 | ctl |

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.
l The MS/MSD did not meet QC criteria.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
U Constituent results were non-detect.
I The RPD for the laboratory duplicate exceeded laboratory criteria.

ND=Non-Detected, RL=Reporting Level. ‡ Surrogate.



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February 21, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

**Lab No. : SP 2501198-002**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Organic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 8081** | | | | | | | | | | | | | |
| Tetrachloro-m-xylene ‡ | 14.3 | 5-124 | | % | 0.9 | I | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Aldrin | ND | 0.0472 | 0.011 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Alpha BHC | ND | 0.0472 | 0.0088 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Beta BHC | ND | 0.0472 | 0.023 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Delta BHC | ND | 0.0472 | 0.0094 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Gamma BHC (Lindane) | ND | 0.0377 | 0.041 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Chlordane | ND | 0.0943 | 0.085 | ug/L | 0.9 | UI | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| alpha-Chlordane | ND | 0.0472 | 0.018 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| gamma-Chlordane | ND | 0.0472 | 0.022 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| 4,4 - DDD | ND | 0.0472 | 0.011 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| 4,4 - DDE | ND | 0.0472 | 0.011 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| 4,4 - DDT | ND | 0.0472 | 0.025 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/20/2025 | 18:52 | sbl |
| Dieldrin | ND | 0.0472 | 0.026 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Endosulfan I | ND | 0.0472 | 0.010 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Endosulfan II | ND | 0.0189 | 0.016 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Endosulfan Sulfate | ND | 0.0472 | 0.0062 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Endrin | ND | 0.0472 | 0.0083 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Endrin Aldehyde | ND | 0.0283 | 0.0051 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Endrin Ketone | ND | 0.0472 | 0.014 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Heptachlor | ND | 0.0472 | 0.0068 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Heptachlor Epoxide | ND | 0.0472 | 0.028 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| Methoxychlor | ND | 0.0943 | 0.052 | ug/L | 0.9 | U | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/20/2025 | 18:52 | sbl |
| Toxaphene | ND | 0.472 | 0.11 | ug/L | 0.9 | UI | 01/28/2025 | 13:20 | ctc | 608/8081 | 02/04/2025 | 03:03 | sbl |
| **EPA 8082** | | | | | | | | | | | | | |
| Tetrachloro-m-xylene ‡ | 13.4 | 14-157 | | % | 0.9 | L | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1016/1242 | ND | 0.472 | 0.23 | ug/L | 0.9 | U | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1221 | ND | 0.472 | 0.32 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1232 | ND | 0.472 | 0.28 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1248 | ND | 0.472 | 0.23 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1254 | ND | 0.472 | 0.33 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1260 | ND | 0.472 | 0.13 | ug/L | 0.9 | U | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |
| PCB 1242 | ND | 0.472 | 0.27 | ug/L | 0.9 | UL | 01/28/2025 | 13:50 | ctc | EPA 8082 | 02/04/2025 | 03:22 | sbl |



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DQF Flags Definition:
I The RPD for the laboratory duplicate exceeded laboratory criteria.
U Constituent results were non-detect.
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

February 21, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-Appendix II

**Lab No. : SP 2501198-002**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Field Test

| Constituent | Result | RL | Units | Note | Sample Preparation | | Sample Analysis | |
|---|---|---|---|---|---|---|---|---|
| **Field Test** | | | | | Method | Date Time | Method | Date Time |
| pH (Field) | 8.29 | | units | | | 01/26/2025 15:30 | 4500HB | 01/26/2025 15:30 |

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.



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February 21, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Tin | 200.7 | 02/19/2025:201839EJC | Blank | mg/L | | ND | <0.02 | |
| | | | LCS | mg/L | 0.4800 | 96.3% | 85-115 | |
| | | | MS | mg/L | 0.4800 | 95.4% | 75-125 | |
| | | (STK2532201-001) | MSD | mg/L | 0.4800 | 95.5% | 75-125 | |
| | | | MSRPD | mg/L | | 0.1% | ≤20.0 | |
| | | | MS | mg/L | 0.4800 | 93.0% | 75-125 | |
| | | (STK2532311-001) | MSD | mg/L | 0.4800 | 97.6% | 75-125 | |
| | | | MSRPD | mg/L | | 4.8% | ≤20.0 | |
| Antimony | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 50.00 | 95.2% | 85-115 | |
| | | | MS | ug/L | 50.00 | 101% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 101% | 75-125 | |
| | | | MSRPD | ug/L | | 0.2% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | 97.6% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 106% | 75-125 | |
| | | | MSRPD | ug/L | | 6.5% | ≤20.0 | |
| Arsenic | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 50.00 | 99.4% | 85-115 | |
| | | | MS | ug/L | 50.00 | 102% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 105% | 75-125 | |
| | | | MSRPD | ug/L | | 2.5% | ≤20 | |
| | | | MS | ug/L | 50.00 | 100% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 108% | 75-125 | |
| | | | MSRPD | ug/L | | 6.7% | ≤20 | |
| Barium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 50.00 | 96.7% | 85-115 | |
| | | | MS | ug/L | 50.00 | 101% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 103% | 75-125 | |
| | | | MSRPD | ug/L | | 1.5% | ≤20 | |
| | | | MS | ug/L | 50.00 | 97.5% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 108% | 75-125 | |
| | | | MSRPD | ug/L | | 2.9% | ≤20 | |
| Beryllium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 50.00 | 92.0% | 85-115 | |
| | | | MS | ug/L | 50.00 | 94.8% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 95.7% | 75-125 | |
| | | | MSRPD | ug/L | | 0.9% | ≤20 | |
| | | | MS | ug/L | 50.00 | 92.3% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 98.2% | 75-125 | |
| | | | MSRPD | ug/L | | 6.2% | ≤20 | |
| Cadmium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 50.00 | 96.5% | 85-115 | |
| | | | MS | ug/L | 50.00 | 103% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 104% | 75-125 | |
| | | | MSRPD | ug/L | | 0.9% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | 99.7% | 75-125 | |



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February 21, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 102% | 75-125 | |
| | | | MSRPD | ug/L | | 1.1% | ≤20.0 | |
| Chromium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 50.00 | 98.9% | 85-115 | |
| | | | MS | ug/L | 50.00 | 125% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 125% | 75-125 | |
| | | | MSRPD | ug/L | | 0.2% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | 130% | 75-125 | 435 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 137% | 75-125 | 435 |
| | | | MSRPD | ug/L | | 2.4% | ≤20.0 | |
| Cobalt | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 50.00 | 98.6% | 85-115 | |
| | | | MS | ug/L | 50.00 | 103% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 104% | 75-125 | |
| | | | MSRPD | ug/L | | 0.9% | ≤20 | |
| | | | MS | ug/L | 50.00 | 99.5% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 107% | 75-125 | |
| | | | MSRPD | ug/L | | 6.8% | ≤20 | |
| Copper | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 50.00 | 98.2% | 85-115 | |
| | | | MS | ug/L | 50.00 | 18.8% | <¼ | 406 |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 118% | 75-125 | |
| | | | MSRPD | ug/L | | 5.7% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | -35.2% | 75-125 | 435 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | -35.8% | 75-125 | 435 |
| | | | MSRPD | ug/L | | 0.4% | ≤20.0 | |
| Lead | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 50.00 | 96.2% | 85-115 | |
| | | | MS | ug/L | 50.00 | 99.2% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 100% | 75-125 | |
| | | | MSRPD | ug/L | | 1.0% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | 97.8% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 106% | 75-125 | |
| | | | MSRPD | ug/L | | 5.3% | ≤20.0 | |
| Nickel | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 50.00 | 98.9% | 85-115 | |
| | | | MS | ug/L | 50.00 | 123% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 121% | 75-125 | |
| | | | MSRPD | ug/L | | 1.6% | ≤20 | |
| | | | MS | ug/L | 50.00 | 139% | <¼ | 406 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 149% | <1/4 | |
| | | | MSRPD | ug/L | | 1.8% | ≤20 | |
| Selenium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 50.00 | 102% | 85-115 | |
| | | | MS | ug/L | 50.00 | 102% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 104% | 75-125 | |
| | | | MSRPD | ug/L | | 2.3% | ≤20.0 | |
| | | | MS | ug/L | 50.00 | 95.0% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 106% | 75-125 | |
| | | | MSRPD | ug/L | | 10.6% | ≤20.0 | |
| Silver | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <0.25 | |

February 21, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | LCS | ug/L | 50.00 | 91.2% | 85-115 | |
| | | | MS | ug/L | 50.00 | 35.8% | 75-125 | 435 |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 25.7% | 75-125 | 435 |
| | | | MSRPD | ug/L | | 31.6% | ≤20.0 | 435 |
| | | | MS | ug/L | 50.00 | 23.9% | 75-125 | 435 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 22.0% | 75-125 | 435 |
| | | | MSRPD | ug/L | | 4.9% | ≤20.0 | |
| Thallium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 50.00 | 96.4% | 85-115 | |
| | | | MS | ug/L | 50.00 | 100% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 103% | 75-125 | |
| | | | MSRPD | ug/L | | 2.3% | ≤20 | |
| | | | MS | ug/L | 50.00 | 98.7% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 106% | 75-125 | |
| | | | MSRPD | ug/L | | 7.2% | ≤20 | |
| Vanadium | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 50.00 | 97.9% | 85-115 | |
| | | | MS | ug/L | 50.00 | 104% | 75-125 | |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 105% | 75-125 | |
| | | | MSRPD | ug/L | | 1.5% | ≤20 | |
| | | | MS | ug/L | 50.00 | 109% | 75-125 | |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | 114% | 75-125 | |
| | | | MSRPD | ug/L | | 2.6% | ≤20 | |
| Zinc | 200.8 | 01/29/2025:201037EJC | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 50.00 | 90.6% | 85-115 | |
| | | | MS | ug/L | 50.00 | 49.7% | 75-125 | 435 |
| | | (SP 2501245-001) | MSD | ug/L | 50.00 | 92.6% | 75-125 | |
| | | | MSRPD | ug/L | | 10.5% | ≤20 | |
| | | | MS | ug/L | 50.00 | -201% | <¼ | 406 |
| | | (STK2531095-001) | MSD | ug/L | 50.00 | -157% | <1/4 | |
| | | | MSRPD | ug/L | | 1.6% | ≤20 | |
| Mercury | 245.1 | 01/29/2025:201039EJC | Blank | ug/L | | ND | <0.02 | |
| | | | LCS | ug/L | 0.2000 | 103% | 85-115 | |
| | | | MS | ug/L | 0.2000 | 90.8% | 75-125 | |
| | | (VI 2540568-001) | MSD | ug/L | 0.2000 | 90.8% | 75-125 | |
| | | | MSRPD | ug/L | | 0.0% | ≤20 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND : Non-detect - Result was below the DQO listed for the analyte.

**Explanation**

406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.
435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.


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February 21, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Aldrin | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 85.4% | 42-140 | |
| | | | BS | ug/L | 0.5000 | 80.6% | 42-140 | |
| | | | BSD | ug/L | 0.5000 | 86.8% | 42-140 | |
| | | | BSRPD | ug/L | | 7.4% | ≤35 | |
| Alpha BHC | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 95.6% | 37-140 | |
| | | | BS | ug/L | 0.5000 | 91.1% | 37-140 | |
| | | | BSD | ug/L | 0.5000 | 96.1% | 37-140 | |
| | | | BSRPD | ug/L | | 5.3% | ≤36 | |
| alpha-Chlordane | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 93.4% | 45-140 | |
| | | | BS | ug/L | 0.5000 | 91.3% | 45-140 | |
| | | | BSD | ug/L | 0.5000 | 98.0% | 45-140 | |
| | | | BSRPD | ug/L | | 7.1% | ≤35 | |
| Beta BHC | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 95.6% | 17-147 | |
| | | | BS | ug/L | 0.5000 | 89.6% | 17-147 | |
| | | | BSD | ug/L | 0.5000 | 96.8% | 17-147 | |
| | | | BSRPD | ug/L | | 7.7% | ≤44 | |
| Chlordane | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.1 | |
| Delta BHC | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 104% | 19-140 | |
| | | | BS | ug/L | 0.5000 | 99.8% | 19-140 | |
| | | | BSD | ug/L | 0.5000 | 108% | 19-140 | |
| | | | BSRPD | ug/L | | 7.5% | ≤52 | |
| Dieldrin | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 89.0% | 36-146 | |
| | | | BS | ug/L | 0.5000 | 86.6% | 49-118 | |
| | | | BSD | ug/L | 0.5000 | 93.5% | 49-118 | |
| | | | BSRPD | ug/L | | 7.6% | ≤49 | |
| Endosulfan I | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 91.6% | 45-153 | |
| | | | BS | ug/L | 0.5000 | 89.5% | 17-168 | |
| | | | BSD | ug/L | 0.5000 | 97.2% | 17-168 | |
| | | | BSRPD | ug/L | | 8.2% | ≤28 | |
| Endosulfan II | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.02 | |
| | | | LCS | ug/L | 0.5000 | 92.2% | 5-202 | |
| | | | BS | ug/L | 0.5000 | 88.2% | 0-291 | |
| | | | BSD | ug/L | 0.5000 | 98.6% | 0-291 | |
| | | | BSRPD | ug/L | | 11.1% | ≤53 | |
| Endosulfan Sulfate | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 84.7% | 26-144 | |
| | | | BS | ug/L | 0.5000 | 80.5% | 47-128 | |
| | | | BSD | ug/L | 0.5000 | 92.2% | 47-128 | |
| | | | BSRPD | ug/L | | 13.4% | ≤38 | |
| Endrin | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 80.5% | 51-130 | |
| | | | BS | ug/L | 0.5000 | 63.4% | 43-132 | |
| | | | BSD | ug/L | 0.5000 | 83.5% | 43-132 | |

February 21, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | BSRPD | ug/L | | 27.4% | ≤48 | |
| Endrin Aldehyde | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.03 | |
| | | | LCS | ug/L | 0.5000 | 76.8% | 50-130 | |
| | | | BS | ug/L | 0.5000 | 75.8% | 16-116 | |
| | | | BSD | ug/L | 0.5000 | 83.2% | 16-116 | |
| | | | BSRPD | ug/L | | 9.3% | ≤40 | |
| Endrin Ketone | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 103% | 50-130 | |
| | | | BS | ug/L | 0.5000 | 104% | 28-162 | |
| | | | BSD | ug/L | 0.5000 | 118% | 28-162 | |
| | | | BSRPD | ug/L | | 12.9% | ≤40 | |
| gamma-Chlordane | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 80.8% | 45-140 | |
| | | | BS | ug/L | 0.5000 | 78.3% | 45-140 | |
| | | | BSD | ug/L | 0.5000 | 84.9% | 45-140 | |
| | | | BSRPD | ug/L | | 8.0% | ≤35 | |
| Heptachlor | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 92.3% | 34-140 | |
| | | | BS | ug/L | 0.5000 | 84.4% | 34-140 | |
| | | | BSD | ug/L | 0.5000 | 96.8% | 34-140 | |
| | | | BSRPD | ug/L | | 13.6% | ≤43 | |
| Heptachlor Epoxide | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 85.5% | 37-142 | |
| | | | BS | ug/L | 0.5000 | 84.4% | 37-142 | |
| | | | BSD | ug/L | 0.5000 | 89.8% | 37-142 | |
| | | | BSRPD | ug/L | | 6.2% | ≤26 | |
| Lindane | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.04 | |
| | | | LCS | ug/L | 0.5000 | 97.6% | 19-140 | |
| | | | BS | ug/L | 0.5000 | 89.8% | 32-140 | |
| | | | BSD | ug/L | 0.5000 | 98.5% | 32-140 | |
| | | | BSRPD | ug/L | | 9.1% | ≤39 | |
| Methoxychlor | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 0.5000 | 93.8% | 23-142 | |
| | | | BS | ug/L | 0.5000 | 86.9% | 51-126 | |
| | | | BSD | ug/L | 0.5000 | 105% | 51-126 | |
| | | | BSRPD | ug/L | | 18.2% | ≤40 | |
| p,p - DDD | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 80.0% | 31-141 | |
| | | | BS | ug/L | 0.5000 | 76.7% | 32-130 | |
| | | | BSD | ug/L | 0.5000 | 85.0% | 32-130 | |
| | | | BSRPD | ug/L | | 10.3% | ≤39 | |
| p,p - DDE | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 96.1% | 30-145 | |
| | | | BS | ug/L | 0.5000 | 94.6% | 13-133 | |
| | | | BSD | ug/L | 0.5000 | 100% | 13-133 | |
| | | | BSRPD | ug/L | | 5.7% | ≤35 | |
| p,p - DDT | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5000 | 92.7% | 25-160 | |
| | | | BS | ug/L | 0.5000 | 86.5% | 6-146 | |
| | | | BSD | ug/L | 0.5000 | 108% | 6-146 | |
| | | | BSRPD | ug/L | | 22.2% | ≤42 | |

February 21, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| Tetrachloro-m-xylene | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | 0.5000 | 70.7% | 5-124 | |
| | | | LCS | ug/L | 0.5000 | 80.7% | 5-124 | |
| | | | LCS | ug/L | 0.5000 | 68.8% | 5-124 | |
| | | | BS | ug/L | 0.5000 | 77.3% | 26-141 | |
| | | | BSD | ug/L | 0.5000 | 79.2% | 26-141 | |
| | | | BSRPD | ug/L | | 2.4% | ≤1 | 410 |
| Toxaphene | 608.3 | 01/28/2025:201001CTC | Blank | ug/L | | ND | <0.5 | |
| PCB 1016 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 102% | 22-128 | |
| | | | BS | ug/L | 2.500 | 73.0% | 18-135 | |
| | | | BSD | ug/L | 2.500 | 95.2% | 18-135 | |
| | | | BSRPD | ug/L | | 26.4% | ≤28 | |
| PCB 1221 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | BS | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSD | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSRPD | ug/L | | 0.0% | ≤50.0 | |
| PCB 1232 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | BS | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSD | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSRPD | ug/L | | 0.0% | ≤50.0 | |
| PCB 1242 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | BS | ug/L | 0.000 | 0.0% | 23-135 | 436 |
| | | | BSD | ug/L | 0.000 | 0.0% | 23-135 | 436 |
| | | | BSRPD | ug/L | | 0.0% | ≤47.9 | |
| PCB 1248 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | BS | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSD | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSRPD | ug/L | | 0.0% | ≤50.0 | |
| PCB 1254 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | BS | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSD | ug/L | 0.000 | 0.0% | 50-150 | 436 |
| | | | BSRPD | ug/L | | 0.0% | ≤41.7 | |
| PCB 1260 | 8082A | 01/28/2025:201002CTC | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 105% | 15-141 | |
| | | | BS | ug/L | 2.500 | 94.8% | 20-144 | |
| | | | BSD | ug/L | 2.500 | 109% | 20-144 | |
| | | | BSRPD | ug/L | | 14.1% | ≤28 | |
| Tetrachloro-m-xylene | 8082A | 01/28/2025:201002CTC | Blank | ug/L | 0.5000 | 70.7% | 14-157 | |
| | | | LCS | ug/L | 0.5000 | 68.8% | 14-157 | |
| | | | BS | ug/L | 0.5000 | 65.8% | 14-157 | |
| | | | BSD | ug/L | 0.5000 | 72.5% | 30.0 | |
| | | | BSRPD | ug/L | | 9.7% | ≤30.0 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

BS : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

BSD : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

BSRPD : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

**Explanation**

| | | |
|---|---|---|
| 410 | : | Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |
| 436 | : | Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. |

February 21, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501198
Customer No. : 2028560

## Quality Control - Wet Chem

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Phenols | 420.1 | 02/09/2025:201420AMM | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 1.000 | 99.1% | 85-105 | |
| | | | MS | mg/L | 1.000 | 91.2% | 60-105 | |
| | | (CC 2580334-002) | MSD | mg/L | 1.000 | 85.6% | 60-105 | |
| | | | MSRPD | mg/L | | 5.9% | ≤19.1 | |
| Cyanide, Total | 4500CNCE | 02/05/2025:201281AMM | Blank | mg/L | | ND | <0.004 | |
| | | | LCS | mg/L | 0.1000 | 96.0% | 90-110 | |
| | | | LCS | mg/L | 0.4000 | 95.1% | 90-110 | |
| | | | MS | mg/L | 0.05000 | 111% | 99-137 | |
| | | (VI 2540568-001) | MSD | mg/L | 0.05000 | 105% | 99-137 | |
| | | | MSRPD | mg/L | | 5.4% | ≤36 | |
| Sulfide, Total | 4500S D | 01/29/2025:201059CTL | LCS | mg/L | 0.6667 | 99.6% | 75-125 | |
| | | (SP 2501197-001) | Dup | mg/L | | 10.2% | 20 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

# Special

# CHAIN OF CUSTODY
*www.fglinc.com*

Laboratory Copy (1 of 2)

**Client:** Chiquita Canyon Landfill
**Address:** Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

**Phone:** (425)414-2903 **Fax:**
**Contact Person:** Matt Breuer
**Project Name:** Chiquita Landfill - Appx II 2
**Purchase Order Number:**
**Quote Number:** SP 20241121-05

Sampler(s) BLANCA HOFFMEIER
Isaac Hoffmeier

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: SP 2501198 2-28560

6286:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 8270 - Appendix II ***Report only the compounds on the 40CFR258 Appx II list*** ***Requires MDL Reporting**** 1000ml(AGT) | Sub Organic-EPA 8260 - Appendix II ***Report only the compounds on the 40CFR258 Appx II list*** ***Requires MDL Reporting**** 40ml(GVT)-HCl | Sub Organic-EPA 8081 ***Requires MDL Reporting**** 1000ml(AGT) | Sub Organic-EPA 8082 ***Requires MDL Reporting**** 1000ml(AGT) | Sub Organic-EPA 8141 ***Requires MDL Reporting**** 1000ml(AGT) | Sub Organic-EPA 8151 ***Requires MDL Reporting**** 1000ml(AGT) | Subcontract-Dioxin, 2,3,7,8 - TCDD by EPA 8290 ***Requires MDL Reporting**** 1000ml(AGT) | Metals, Total-Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Hg,Ni,Se,Ag,Tl,Sn,V,Zn 250ml(P)-HNO3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 1/26/25 | 9:30 | G | STM | | | | 2 | 4 | 1 | 1 | 1 | 1 | 2 | 1 |
| 2 | South Basin - Eastern Inlet | 1/26/25 | 3:30 | G | STM | | | | 2 | 4 | 1 | 1 | 1 | 1 | 2 | 1 |
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**Remarks:** Multiple Chains

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| BLANCA Hoffmeier | 1/27/25 | 9:45am | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| MC | 1/27/25 | 9:45 | | | | | | |


**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2000
Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
Phone: (209) 942-0182
Fax: (209) 942-0423

RCVD 1/4
TH268

**Office & Laboratory**
563 E. Lindo
Chico, CA 95926
Phone: (530) 343-5818
Fax: (530) 343-3807

**Office & Laboratory**
3442 Empresa Drive, Suite D
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Phone: (805) 783-2940
Fax: (805) 783-2912

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
Phone: (559) 734-9473
Fax: (559) 734-8435

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

**Special**

# CHAIN OF CUSTODY

www.fglinc.com

Laboratory Copy (1 of 2)

6286:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **Chiquita Canyon Landfill**

Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:

Contact Person: Matt Breuer

Project Name: **Chiquita Landfill - Appx II 2**

Purchase Order Number:

Quote Number: **SP 20241121-05**

Sampler(s) BLANCA HOFFMEIER
ISAAC HOFFMEIER

Sampling Fee: _____ Pickup Fee: _____

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 2501198 **2-28560**

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Wet Chemistry-Cyanide 16oz(P)-NaOH | Wet Chemistry-Phenols 1000ml(AGT)-H2SO4 | Wet Chemistry-Total Sulfide 16oz(P)-NaOH + Zinc Acetate | Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!! | Field - pH Date | Field - pH Time | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 1/26/25 | 9:30 am | G | STM | | | | 1 | 1 | 1 | "Error" | - | - | | | | | |
| 2 | South Basin - Eastern Inlet | 1/26/25 | 3:30 pm | G | STM | | | | 1 | 1 | 1 | 8.29 | 1/26 | 3:45 | | | | | |
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Remarks: **Multiple Chains**

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 1/27/25 | 9:45 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| mc | 1/27/25 | 9:45 | | | | | | |


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Phone: (209) 942-0182
Fax: (209) 942-0423

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**Office & Laboratory**
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Chico, CA 95926
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Fax: (530) 343-3807

**Office & Laboratory**
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San Luis Obispo, CA 93401
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**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
Phone: (559) 734-9473
Fax: (559) 734-8435

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

# Subcontract to
# Babcock Laboratories, Inc.

## *CHAIN OF CUSTODY*
*AND ANALYSES REQUEST FORM*



**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 8270 - Appendix II | ***Report only the compounds on the 40CFR258 Appx II list*** | ***Requires MDL Reporting**** 1000ml(AGT) | Sub Organic-EPA 8151 | ***Requires MDL Reporting**** 1000ml(AGT) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Information** | | | | | | | | | **Test Description(s)** | | | | | | | | | | | |
| 1 | South Basin - Western Inlet | 01/26/2025 | 09:30 | G | STM | | | | | 2 | | | 1 | | | | | | | |
| 2 | South Basin - Eastern Inlet | 01/26/2025 | 15:30 | G | STM | | | | | 2 | | | 1 | | | | | | | |
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Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
|---|---|---|---|---|---|---|---|---|
| Received By: | Date | Time | Received By: | Date | Time | Received By: | Date | Time |

**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
CA ELAP Certification No. 2775

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

# Subcontract to
# Zalco Laboratories, Inc.

## *CHAIN OF CUSTODY*
***AND ANALYSES REQUEST FORM***



**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 8260 - Appendix II | ***Report only the compounds on the 40CFR258 Appx II list*** | ***Requires MDL Reporting*** 40ml(GVT)- HCl | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 01/26/2025 | 09:30 | G | STM | | | | | 4 | | | | | | | | | |
| 2 | South Basin - Eastern Inlet | 01/26/2025 | 15:30 | G | STM | | | | | 4 | | | | | | | | | |
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Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
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| Received By: | Date | Time | Received By: | Date | Time | Received By: | Date | Time |

**Corporate Offices & Laboratory**
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CA ELAP Certification No. 1573

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CA ELAP Certification No. 1563

**Office & Laboratory**
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TEL: (530)343-5818
CA ELAP Certification No. 2670

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San Luis Obispo, CA 93401
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9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

# Subcontract to
# Eurofins Calscience, Inc

## *CHAIN OF CUSTODY*
***AND ANALYSES REQUEST FORM***



**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Test Description(s): Sub Organic-EPA 8141 ***Requires MDL Reporting**** 1000ml(AGT) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 01/26/2025 | 09:30 | G | STM | | | | 1 | | | | | | | | |
| 2 | South Basin - Eastern Inlet | 01/26/2025 | 15:30 | G | STM | | | | 1 | | | | | | | | |
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Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
|---|---|---|---|---|---|---|---|---|
| Received By: | Date | Time | Received By: | Date | Time | Received By: | Date | Time |

**Corporate Offices & Laboratory**
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Visalia, CA 93291
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CA ELAP Certification No. 2810

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

# Subcontract to
# Ceres Analytical Laboratory, Inc.

## *CHAIN OF CUSTODY*
***AND ANALYSES REQUEST FORM***



**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501198**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Test Description(s): Subcontract-Dioxin, 2,3,7,8 - TCDD by EPA 8290 ***Requires MDL Reporting**** 1000ml(AGT) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 01/26/2025 | 09:30 | G | STM | | | | 2 |
| 2 | South Basin - Eastern Inlet | 01/26/2025 | 15:30 | G | STM | | | | 2 |
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Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
|---|---|---|---|---|---|---|---|---|
| Received By: | Date | Time | Received By: | Date | Time | Received By: | Date | Time |

**Corporate Offices & Laboratory**
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CA ELAP Certification No. 2775

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

**Subject:** Re: VOA Headspace for 2501198 & 2501197
**From:** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Date:** 1/28/2025, 7:34 AM
**To:** Matthew Casas <matthewc@fglinc.com>
**CC:** Login Santa Paula <loginsp@fglinc.com>

Thank you again for the notice. Please proceed with analysis.

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

---

**From:** Matthew Casas <matthewc@fglinc.com>
**Sent:** Monday, January 27, 2025 12:37 PM
**To:** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Cc:** Login Santa Paula <loginsp@fglinc.com>
**Subject:** VOA Headspace for 2501198 & 2501197

Hello Matt,
Attached are the COCs for the affected projects.
**2501197 Chiquita Cyn Landfill-MPars 2**: 624.1 40ml VOAs had too much headspace. The chemist can proceed with this but the results will be biased low.
**2501198 Chiquita Landfill - App II 2**: 8260 40ml VOAs had too much headspace. The sub-lab will make the determination of how biased these results will be due to the headspace.

Please let me know how you would like to proceed with these.
Also, Blanca had mentioned that she thought some sample containers were missing but all containers and labels are accounted for.

--
Regards,
Matthew Casas
Sample Receiving
Fruit Growers Laboratory
805-392-2017

# Condition Upon Receipt (Attach to COC) SP 2501198

**Sample Receipt at SP:**

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking number(s) _____
3. Temp IR Gun ID#: **TH268**
4. Were samples received on Ice? **Yes** **No** Temps: **ROI** / **14C** / _____ / _____ / _____ / _____
5. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
6. Do the number of bottles received agree with the COC? **Yes** **[No]** **N/A**
7. Verify sample date, time, sampler **[Yes]** **No**
8. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **[Yes]** **No**

**Sample Verification, Labeling and Distribution:**

1. Were all requested analyses understood and acceptable? **[Yes]** **No**
2. Did bottle labels correspond with the client's ID's? **[Yes]** **No**
3. Were all bottles requiring sample preservation properly preserved? **[Yes]** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **[No]** **N/A**
5. Were all analyses within holding times at time of receipt? **[Yes]** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **[N/A]**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 01/28/2025-09:41:34

**Discrepency Documentation:**

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: Matt Breuer Phone Number: _____
   Initiated By: MDC Date: _____
   Problem: **Spare Dioxin containers not received. Significant headspace in 8260 VOAs.**

   Resolution: **Enough volume to proceed with Dioxin. Matt approved proceeding with 8260.**

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2028560)
Chiquita Canyon Landfill
**SP 2501198**
MDC-01/28/2025-09:41:34

February 3, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

**Subject: Subcontract Analysis for FGL Lab No. SP 2501197**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-1,4, Dioxane by 8270

Please note that this analysis was performed by Eurofins Calscience, Inc

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2025-02-03

Enclosure

eurofins | Environment Testing

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Cindy Aguirre
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Generated 1/31/2025 9:44:07 PM

## JOB DESCRIPTION

SP 2501197

## JOB NUMBER

570-215849-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

# Eurofins Calscience

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

## Authorization

Generated
1/31/2025 9:44:07 PM

Authorized for release by
Allyson Chapman, Project Manager I
Allyson.Chapman@et.eurofinsus.com
(714)895-5494

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## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

**Job Narrative**
**570-215849-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**
The samples were received on 1/29/2025 1:13 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

**GC/MS Semi VOA**
Method 8270C_SIM_ID_LL: A portion of the following samples were used for analysis, rather than testing the entire sample amount in the original container, due to the sample container was not the appropriate size: South Basin-Western Inlet (570-215849-1), South Basin-Eastern Inlet (570-215849-2), (570-215849-A-2 MS) and (570-215849-A-2 MSD). As such, the required solvent rinse of the original container could not be performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Detection Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

## Client Sample ID: South Basin-Western Inlet — Lab Sample ID: 570-215849-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 3.0 | | 0.10 | 0.087 | ug/L | 1 | | 8270C SIM ID | Total/NA |

## Client Sample ID: South Basin-Eastern Inlet — Lab Sample ID: 570-215849-2

No Detections.

This Detection Summary does not include radiochemical test results.

## Method: SW846 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: South Basin-Western Inlet**
**Date Collected: 01/26/25 09:30**
**Date Received: 01/29/25 13:13**

**Lab Sample ID: 570-215849-1**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **1,4-Dioxane** | **3.0** | | 0.10 | 0.087 | ug/L | | 01/30/25 13:55 | 01/30/25 19:49 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Dioxane-d8* | *39* | | *21 - 120* | *01/30/25 13:55* | *01/30/25 19:49* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Nitrobenzene-d5 (Surr)* | *116* | | *41 - 167* | *01/30/25 13:55* | *01/30/25 19:49* | *1* |

**Client Sample ID: South Basin-Eastern Inlet**
**Date Collected: 01/26/25 15:30**
**Date Received: 01/29/25 13:13**

**Lab Sample ID: 570-215849-2**
**Matrix: Water**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | 0.10 | 0.087 | ug/L | | 01/30/25 13:55 | 01/30/25 20:03 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Dioxane-d8* | *30* | | *21 - 120* | *01/30/25 13:55* | *01/30/25 20:03* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Nitrobenzene-d5 (Surr)* | *110* | | *41 - 167* | *01/30/25 13:55* | *01/30/25 20:03* | *1* |

# Surrogate Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) |
|---|---|---|
| | | NBZ |
| Lab Sample ID | Client Sample ID | (41-167) |
| 570-215849-1 | South Basin-Western Inlet | 116 |
| 570-215849-2 | South Basin-Eastern Inlet | 110 |
| 570-215849-2 MS | South Basin-Eastern Inlet | 119 |
| 570-215849-2 MSD | South Basin-Eastern Inlet | 112 |
| LCS 570-528213/2-A | Lab Control Sample | 126 |
| LCSD 570-528213/3-A | Lab Control Sample Dup | 126 |
| MB 570-528213/1-A | Method Blank | 140 |

**Surrogate Legend**

NBZ = Nitrobenzene-d5 (Surr)

# Isotope Dilution Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) |
|---|---|---|
| | | DXE |
| Lab Sample ID | Client Sample ID | (21-120) |
| 570-215849-1 | South Basin-Western Inlet | 39 |
| 570-215849-2 | South Basin-Eastern Inlet | 30 |
| 570-215849-2 MS | South Basin-Eastern Inlet | 35 |
| 570-215849-2 MSD | South Basin-Eastern Inlet | 27 |
| LCS 570-528213/2-A | Lab Control Sample | 34 |
| LCSD 570-528213/3-A | Lab Control Sample Dup | 32 |
| MB 570-528213/1-A | Method Blank | 32 |

**Surrogate Legend**

DXE = 1,4-Dioxane-d8

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Lab Sample ID: MB 570-528213/1-A**
**Matrix: Water**
**Analysis Batch: 528178**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 528213**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | 0.10 | 0.087 | ug/L | | 01/30/25 13:54 | 01/30/25 16:46 | 1 |

| *Isotope Dilution* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Dioxane-d8* | *32* | | *21 - 120* | *01/30/25 13:54* | *01/30/25 16:46* | *1* |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Nitrobenzene-d5 (Surr)* | *140* | | *41 - 167* | *01/30/25 13:54* | *01/30/25 16:46* | *1* |

**Lab Sample ID: LCS 570-528213/2-A**
**Matrix: Water**
**Analysis Batch: 528178**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 528213**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | | | 20.0 | 23.64 | | ug/L | | 118 | 51 - 140 | | |

| *Isotope Dilution* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,4-Dioxane-d8* | *34* | | *21 - 120* |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Nitrobenzene-d5 (Surr)* | *126* | | *41 - 167* |

**Lab Sample ID: LCSD 570-528213/3-A**
**Matrix: Water**
**Analysis Batch: 528178**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 528213**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | | | 20.0 | 23.52 | | ug/L | | 118 | 51 - 140 | 1 | 20 |

| *Isotope Dilution* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,4-Dioxane-d8* | *32* | | *21 - 120* |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *Nitrobenzene-d5 (Surr)* | *126* | | *41 - 167* |

**Lab Sample ID: 570-215849-2 MS**
**Matrix: Water**
**Analysis Batch: 528178**

**Client Sample ID: South Basin-Eastern Inlet**
**Prep Type: Total/NA**
**Prep Batch: 528213**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | 20.0 | 24.40 | | ug/L | | 122 | 51 - 139 | | |

| *Isotope Dilution* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,4-Dioxane-d8* | *35* | | *21 - 120* |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Nitrobenzene-d5 (Surr)* | *119* | | *41 - 167* |

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

**Lab Sample ID: 570-215849-2 MSD**
**Matrix: Water**
**Analysis Batch: 528178**

**Client Sample ID: South Basin-Eastern Inlet**
**Prep Type: Total/NA**
**Prep Batch: 528213**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | 20.0 | 24.86 | | ug/L | | 124 | 51 - 139 | 2 | 20 |

| *Isotope Dilution* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,4-Dioxane-d8* | *27* | | *21 - 120* |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Nitrobenzene-d5 (Surr)* | *112* | | *41 - 167* |

# QC Association Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

## GC/MS Semi VOA

### Analysis Batch: 528178

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 570-215849-1 | South Basin-Western Inlet | Total/NA | Water | 8270C SIM ID | 528213 |
| 570-215849-2 | South Basin-Eastern Inlet | Total/NA | Water | 8270C SIM ID | 528213 |
| MB 570-528213/1-A | Method Blank | Total/NA | Water | 8270C SIM ID | 528213 |
| LCS 570-528213/2-A | Lab Control Sample | Total/NA | Water | 8270C SIM ID | 528213 |
| LCSD 570-528213/3-A | Lab Control Sample Dup | Total/NA | Water | 8270C SIM ID | 528213 |
| 570-215849-2 MS | South Basin-Eastern Inlet | Total/NA | Water | 8270C SIM ID | 528213 |
| 570-215849-2 MSD | South Basin-Eastern Inlet | Total/NA | Water | 8270C SIM ID | 528213 |

### Prep Batch: 528213

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 570-215849-1 | South Basin-Western Inlet | Total/NA | Water | 3510C | |
| 570-215849-2 | South Basin-Eastern Inlet | Total/NA | Water | 3510C | |
| MB 570-528213/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 570-528213/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| LCSD 570-528213/3-A | Lab Control Sample Dup | Total/NA | Water | 3510C | |
| 570-215849-2 MS | South Basin-Eastern Inlet | Total/NA | Water | 3510C | |
| 570-215849-2 MSD | South Basin-Eastern Inlet | Total/NA | Water | 3510C | |

# Lab Chronicle

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

## Client Sample ID: South Basin-Western Inlet

**Lab Sample ID: 570-215849-1**

**Date Collected: 01/26/25 09:30**

**Matrix: Water**

**Date Received: 01/29/25 13:13**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3510C | | | 100 mL | 10 mL | 528213 | 01/30/25 13:55 | TR8L | EET CAL 4 |
| Total/NA | Analysis | 8270C SIM ID | | 1 | 1 mL | 1 mL | 528178 | 01/30/25 19:49 | PQS1 | EET CAL 4 |
| | Instrument ID: GCMS99 | | | | | | | | | |

## Client Sample ID: South Basin-Eastern Inlet

**Lab Sample ID: 570-215849-2**

**Date Collected: 01/26/25 15:30**

**Matrix: Water**

**Date Received: 01/29/25 13:13**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3510C | | | 100 mL | 10 mL | 528213 | 01/30/25 13:55 | TR8L | EET CAL 4 |
| Total/NA | Analysis | 8270C SIM ID | | 1 | 1 mL | 1 mL | 528178 | 01/30/25 20:03 | PQS1 | EET CAL 4 |
| | Instrument ID: GCMS99 | | | | | | | | | |

**Laboratory References:**

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

# Accreditation/Certification Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

## Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| California | State | 3082 | 07-31-25 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte | |
|---|---|---|---|---|
| 8270C SIM ID | 3510C | Water | 1,4-Dioxane | |
| Oregon | NELAP | | 4175 | 02-02-25 |

# Method Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8270C SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846 | EET CAL 4 |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | EET CAL 4 |

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EET CAL 4 = Eurofins Calscience  Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

# Sample Summary

Client: FGL Environmental
Project/Site: SP 2501197

Job ID: 570-215849-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 570-215849-1 | South Basin-Western Inlet | Water | 01/26/25 09:30 | 01/29/25 13:13 |
| 570-215849-2 | South Basin-Eastern Inlet | Water | 01/26/25 15:30 | 01/29/25 13:13 |

FGL ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Loc: 570
215849

# Subcontract to Eurofins Calscience, Inc

## CHAIN OF CUSTODY
*AND ANALYSES REQUEST FORM*



**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501197**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

**Sample Information** / **Test Description(s)**

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) | Replace(RPL) Other(O) Special(SPL) | Sub Organic-1,4, Dioxane by 8270 ***Requires MDL Reporting**** 1000ml(AGT) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 01/26/2025 | 09:30 | G | STM | | | | | 1 | | | | | | | | |
| 2 | South Basin - Eastern Inlet | 01/26/2025 | 15:30 | G | STM | | | | | 1 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
|---|---|---|---|---|---|---|---|---|
| [illegible] | 1/28/25 | 17:00 | | | | | | |
| **Received By:** | **Date** | **Time** | **Received By:** | **Date** | **Time** | **Received By:** | **Date** | **Time** |
| UPS | | | [signature] EC | 1/29/25 | 1313 | | | |

**Corporate Offices & Laboratory**
853 Corporation Street
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Chico, CA 95926
TEL: (530)343-5818
CA ELAP Certification No. 2670

2.4/2.65c/4

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
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CA ELAP Certification No. 2775

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

UV6P

BRANDON QUELL
(805) 392-2000
FRUIT GROWERS LAB
853 CORPORATION ST.
SANTA PAULA CA 93060

36 LBS

**SHIP TO:**

ATTN: SAMPLE RECEIVING
EUROFINS CAL SCIENCE
2841 DOW AVENUE, #100
**TUSTIN CA 92780**

**CA 927 9-08**

**UPS GROUND**

TRACKING #: 1Z 992 031 03 6083 6077

BILLING: P/P

REF 1:1/28/25-AV

# Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 570-215849-1

**Login Number: 215849**

**List Number: 1**

**Creator: Patel, Jayesh**

**List Source: Eurofins Calscience**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

February 18, 2025

**Lab No. : SP 2501197**
**Customer No. : 2028560**

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

## Laboratory Report

**Introduction:** This report package contains a total of 26 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (2 pages) | : An overview of the work performed at FGL. |
| Sample Results | (8 pages) | : Results for each sample submitted. |
| Quality Control | (16 pages) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab No. | Matrix |
|---|---|---|---|---|
| South Basin - Western Inlet | 01/26/2025 | 01/27/2025 | SP 2501197-001 | STM |
| South Basin - Eastern Inlet | 01/26/2025 | 01/27/2025 | SP 2501197-002 | STM |

### Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were received, prepared and analyzed within the method specified holding times except those as listed in the table below. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

### Samples Over Hold Time

| Lab No | Analyte Method | Maximum Hold Time | Actual Hold Time |
|---|---|---|---|
| SP 2501197-001 | Carbon Dioxide | 24 hours | 533.8 hours |
| SP 2501197-001 | pH | 15 minutes | 11,838.0 minutes |
| SP 2501197-002 | Carbon Dioxide | 24 hours | 527.8 hours |

**Quality Control:** All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

| Test Summary | |
|---|---|
| 4500COC | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 200.7 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 300.0 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| EPA 624.1 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 2540 C | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-H+B | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-NO3 F | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 4500-S D | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 5220 D | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |
| SM 5310 C | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |



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**Certification:** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: MEP

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2025-02-18



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February 18, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-MPars

**Lab No. : SP 2501197-001**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Boron | 0.162 | 0.05 | 0.0094 | mg/L | 1 | | 01/31/2025 | 07:00 | ejc | EPA 200.7 | 02/03/2025 | 15:30 | ac |
| Calcium | 83.3 | 1 | 0.076 | mg/L | 1 | | 01/31/2025 | 07:00 | ejc | EPA 200.7 | 02/03/2025 | 15:30 | ac |
| Magnesium | 11.4 | 1 | 0.037 | mg/L | 1 | | 01/31/2025 | 07:00 | ejc | EPA 200.7 | 02/03/2025 | 15:30 | ac |
| Manganese | 0.443 | 0.01 | 0.00064 | mg/L | 1 | | 01/31/2025 | 07:00 | ejc | EPA 200.7 | 02/03/2025 | 15:30 | ac |
| Potassium | 8.11 | 1 | 0.087 | mg/L | 1 | | 01/31/2025 | 07:00 | ejc | EPA 200.7 | 02/03/2025 | 15:30 | ac |
| Sodium | 60.2 | 1 | 0.17 | mg/L | 1 | | 01/31/2025 | 07:00 | ejc | EPA 200.7 | 02/03/2025 | 15:30 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Alkalinity (as CaCO3) | 93.1 | 10 | 1.1 | mg/L | 1 | | 02/03/2025 | 14:48 | amm | SM 2320 B | 02/04/2025 | 05:35 | amm |
| Bicarbonate | 114 | 10 | 1.1 | mg/L | 1 | | 02/03/2025 | 14:48 | amm | SM 4500-H+B | 02/04/2025 | 05:35 | amm |
| Carbonate | ND | 10 | 1.1 | mg/L | 1 | U | 02/03/2025 | 14:48 | amm | SM 4500-H+B | 02/04/2025 | 05:35 | amm |
| Hydroxide | ND | 10 | 1.1 | mg/L | 1 | U | 02/03/2025 | 14:48 | amm | SM 4500-H+B | 02/04/2025 | 05:35 | amm |
| Bromide | 0.269 | 0.03 | 0.0040 | mg/L | 1 | | 01/31/2025 | 09:48 | ldm | EPA 300.0 | 02/01/2025 | 05:12 | ldm |
| Carbon Dioxide | 11 | 1 | | mg/L | 1 | T | 02/17/2025 | 15:18 | amm | 4500COC | 02/17/2025 | 15:41 | amm |
| COD | 185 | 20 | 18 | mg/L | 1 | | 02/03/2025 | 11:11 | jcg | SM 5220 D | 02/03/2025 | 13:45 | jcg |
| Specific Conductance | 602 | 1 | 0.56 | umhos/cm | 1 | | 02/03/2025 | 14:48 | amm | SM 2510 B | 02/04/2025 | 05:35 | amm |
| Fluoride | 0.465 | 0.1 | 0.0010 | mg/L | 1 | | 01/31/2025 | 09:48 | ldm | EPA 300.0 | 02/01/2025 | 05:12 | ldm |
| Nitrate Nitrogen | 1.03 | 0.4 | 0.034 | mg/L | 1 | | 02/07/2025 | 10:30 | mm1 | SM 4500-NO3 F | 02/07/2025 | 11:43 | mm1 |
| pH | 7.2 | --- | | units | 1 | T | 02/03/2025 | 14:48 | amm | SM 4500-H+B | 02/04/2025 | 05:35 | amm |
| Total Dissolved Solids (TFR) | 385 | 20 | 19 | mg/L | 1 | | 01/28/2025 | 12:30 | ctl | SM 2540 C | 01/29/2025 | 12:10 | ctl |
| Sulfate | 137 | 0.5 | 0.28 | mg/L | 1 | | 01/31/2025 | 09:48 | ldm | EPA 300.0 | 02/01/2025 | 05:12 | ldm |
| Sulfide, Total | 0.0317 | 0.1 | 0.024 | mg/L | 1 | J | 01/29/2025 | 15:30 | ctl | SM 4500-S D | 01/29/2025 | 17:00 | ctl |

DQF Flags Definition:
U Constituent results were non-detect.
T Exceeded method/regulatory-specific holding time.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.

ND=Non-Detected, RL=Reporting Level.



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February 18, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-MPars

**Lab No. : SP 2501197-001**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Organic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 624.1** | | | | | | | | | | | | | |
| 4-Bromofluorobenzene ‡ | 104 | 64-135 | | % | 1 | | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Fluorobenzene ‡ | 96.0 | 56-154 | | % | 1 | | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Pentafluorobenzene ‡ | 105 | 54-168 | | % | 1 | | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Acetone | 24.7 | 25 | 3.6 | ug/L | 1 | J | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Acrolein | ND | 5 | 2.5 | ug/L | 1 | Ul | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:31 | sbl |
| Acrylonitrile | ND | 2 | 0.70 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:31 | sbl |
| Benzene | ND | 0.5 | 0.30 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Bromodichloromethane | ND | 0.5 | 0.28 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Bromoform | ND | 0.5 | 0.35 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Bromomethane | ND | 0.5 | 0.43 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Chloromethane | ND | 0.5 | 0.26 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Halomethanes, sum | ND | 0.5 | | ug/L | | | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 2-Butanone (MEK) | 10.3 | 40 | 2.4 | ug/L | 1 | J | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Carbon Disulfide | ND | 10 | 1.1 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Carbon Tetrachloride | ND | 0.5 | 0.24 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Chlorobenzene | ND | 0.5 | 0.14 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Chloroethane | ND | 0.5 | 0.20 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 2-Chloroethylvinyl ether | ND | 1 | 0.29 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:31 | sbl |
| Chloroform | ND | 0.5 | 0.19 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Dibromochloromethane | ND | 0.5 | 0.43 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.10 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.10 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Dichlorobenzenes, sum | ND | 0.5 | | ug/L | | | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.12 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 1,1-Dichloroethane | ND | 0.5 | 0.20 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 1,2-Dichloroethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 1,1-Dichloroethylene | ND | 0.5 | 0.40 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.20 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 1,2-Dichloropropane | ND | 0.5 | 0.40 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.17 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.43 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 1,3-Dichloropropene (Total) | ND | 0.5 | | ug/L | | | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Ethyl Benzene | ND | 0.5 | 0.17 | ug/L | 1 | UH | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 2-Hexanone | ND | 30 | 4.9 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |



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| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone (MIBK) | ND | 30 | 1.3 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Methylene Chloride | ND | 0.5 | 0.16 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Methyl tert-Butyl Ether (MTBE) | ND | 5 | 0.32 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Styrene | ND | 0.5 | 0.18 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.25 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Tetrachloroethylene | ND | 0.5 | 0.45 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Toluene | ND | 0.5 | 0.41 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.19 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.26 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Trichloroethylene | ND | 0.5 | 0.15 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Trichlorofluoromethane | ND | 1 | 0.26 | ug/L | 1 | Uh | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Vinyl Acetate | ND | 10 | 5.9 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Vinyl Chloride | ND | 0.5 | 0.13 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Xylenes m,p | ND | 1 | 0.41 | ug/L | 1 | UH | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Xylenes o | ND | 0.5 | 0.12 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| Xylenes | ND | 1 | | ug/L | | | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 22:03 | sbl |
| **TOC** | | | | | | | | | | | | | |
| TOC | 57.1 | 30 | 17 | mg/L | 100 | | 01/29/2025 | 15:52 | amm | SM 5310 C | 01/30/2025 | 07:47 | amm |

DQF Flags Definition:
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
U Constituent results were non-detect.
l The MS/MSD did not meet QC criteria.
H The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.
h The MS/MSD did not meet QC criteria.

February 18, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Western Inlet
Project : Chiquita Canyon Landfill-MPars

**Lab No. : SP 2501197-001**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 09:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Field Test

| Constituent | Result | RL | Units | Note | Sample Preparation | | Sample Analysis | |
|---|---|---|---|---|---|---|---|---|
| **Field Test** | | | | | Method | Date Time | Method | Date Time |
| Turbidity | 3063 | | NTU | | | 01/26/2025 09:30 | 2130B | 01/26/2025 09:30 |

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.



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February 18, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-MPars

**Lab No. : SP 2501197-002**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Inorganic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| Boron | 0.701 | 0.25 | 0.047 | mg/L | 5 | | 02/04/2025 | 09:00 | ejc | EPA 200.7 | 02/05/2025 | 19:42 | ac |
| Calcium | 1740 | 5 | 0.38 | mg/L | 5 | l | 02/04/2025 | 09:00 | ejc | EPA 200.7 | 02/05/2025 | 19:42 | ac |
| Magnesium | 269 | 5 | 0.19 | mg/L | 5 | | 02/04/2025 | 09:00 | ejc | EPA 200.7 | 02/05/2025 | 19:42 | ac |
| Manganese | 15.3 | 0.05 | 0.0032 | mg/L | 5 | | 02/04/2025 | 09:00 | ejc | EPA 200.7 | 02/05/2025 | 19:42 | ac |
| Potassium | 112 | 5 | 0.44 | mg/L | 5 | | 02/04/2025 | 09:00 | ejc | EPA 200.7 | 02/05/2025 | 19:42 | ac |
| Sodium | 168 | 5 | 0.85 | mg/L | 5 | | 02/04/2025 | 09:00 | ejc | EPA 200.7 | 02/05/2025 | 19:42 | ac |
| **Wet Chemistry** | | | | | | | | | | | | | |
| Alkalinity (as CaCO3) | 94.1 | 10 | 1.1 | mg/L | 1 | | 02/03/2025 | 14:48 | amm | SM 2320 B | 02/04/2025 | 05:45 | amm |
| Bicarbonate | 115 | 10 | 1.1 | mg/L | 1 | | 02/03/2025 | 14:48 | amm | SM 4500-H+B | 02/04/2025 | 05:45 | amm |
| Carbonate | ND | 10 | 1.1 | mg/L | 1 | U | 02/03/2025 | 14:48 | amm | SM 4500-H+B | 02/04/2025 | 05:45 | amm |
| Hydroxide | ND | 10 | 1.1 | mg/L | 1 | U | 02/03/2025 | 14:48 | amm | SM 4500-H+B | 02/04/2025 | 05:45 | amm |
| Bromide | 0.269 | 0.03 | 0.0040 | mg/L | 1 | | 01/31/2025 | 11:42 | ldm | EPA 300.0 | 02/01/2025 | 07:23 | ldm |
| Carbon Dioxide | 17 | 1 | | mg/L | 1 | T | 02/17/2025 | 15:18 | amm | 4500COC | 02/17/2025 | 15:41 | amm |
| COD | 2450 | 100 | 90 | mg/L | 5 | | 02/03/2025 | 11:11 | jcg | SM 5220 D | 02/03/2025 | 13:45 | jcg |
| Specific Conductance | 1260 | 1 | 0.56 | umhos/cm | 1 | | 02/03/2025 | 14:48 | amm | SM 2510 B | 02/04/2025 | 05:45 | amm |
| Fluoride | 0.312 | 0.1 | 0.0010 | mg/L | 1 | | 01/31/2025 | 11:42 | ldm | EPA 300.0 | 02/01/2025 | 07:23 | ldm |
| Nitrate Nitrogen | 1.27 | 0.4 | 0.034 | mg/L | 1 | | 02/11/2025 | 11:50 | mm1 | SM 4500-NO3 F | 02/11/2025 | 13:39 | mm1 |
| Total Dissolved Solids (TFR) | 901 | 20 | 19 | mg/L | 1 | | 01/28/2025 | 12:30 | ctl | SM 2540 C | 01/29/2025 | 12:10 | ctl |
| Sulfate | 445 | 2 | 1.1 | mg/L | 4 | | 01/31/2025 | 11:42 | ldm | EPA 300.0 | 02/01/2025 | 22:17 | ldm |
| Sulfide, Total | 0.0271 | 0.1 | 0.024 | mg/L | 1 | J | 01/29/2025 | 15:30 | ctl | SM 4500-S D | 01/29/2025 | 17:00 | ctl |

DQF Flags Definition:
l The MS/MSD did not meet QC criteria.
U Constituent results were non-detect.
T Exceeded method/regulatory-specific holding time.
J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
h The MS/MSD did not meet QC criteria.

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Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Organic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 624.1** | | | | | | | | | | | | | |
| 4-Bromofluorobenzene ‡ | 93.8 | 64-135 | | % | 1 | hl | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Fluorobenzene ‡ | 99.0 | 56-154 | | % | 1 | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Pentafluorobenzene ‡ | 101 | 54-168 | | % | 1 | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Acetone | 16.6 | 25 | 3.6 | ug/L | 1 | J | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Acrolein | ND | 5 | 2.5 | ug/L | 1 | Ul | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 23:25 | sbl |
| Acrylonitrile | ND | 2 | 0.70 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 23:25 | sbl |
| Benzene | ND | 0.5 | 0.30 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Bromodichloromethane | ND | 0.5 | 0.28 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Bromoform | ND | 0.5 | 0.35 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Bromomethane | ND | 0.5 | 0.43 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Chloromethane | ND | 0.5 | 0.26 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Halomethanes, sum | ND | 0.5 | | ug/L | | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 2-Butanone (MEK) | ND | 40 | 2.4 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Carbon Disulfide | ND | 10 | 1.1 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Carbon Tetrachloride | ND | 0.5 | 0.24 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Chlorobenzene | ND | 0.5 | 0.14 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Chloroethane | ND | 0.5 | 0.20 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 2-Chloroethylvinyl ether | ND | 1 | 0.29 | ug/L | 1 | U | 01/30/2025 | 15:00 | sbl | EPA 624.1 | 01/30/2025 | 23:25 | sbl |
| Chloroform | ND | 0.5 | 0.19 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Dibromochloromethane | ND | 0.5 | 0.43 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.10 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.10 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Dichlorobenzenes, sum | ND | 0.5 | | ug/L | | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 1,4-Dichlorobenzene | 0.187 | 0.5 | 0.12 | ug/L | 1 | J | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 1,1-Dichloroethane | ND | 0.5 | 0.20 | ug/L | 1 | Ul | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 1,2-Dichloroethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 1,1-Dichloroethylene | ND | 0.5 | 0.40 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.20 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 1,2-Dichloropropane | ND | 0.5 | 0.40 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.17 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.43 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 1,3-Dichloropropene (Total) | ND | 0.5 | | ug/L | | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Ethyl Benzene | 0.240 | 0.5 | 0.17 | ug/L | 1 | J | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 2-Hexanone | ND | 30 | 4.9 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |



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| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone (MIBK) | 1.97 | 30 | 1.3 | ug/L | 1 | J | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Methylene Chloride | ND | 0.5 | 0.16 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Methyl tert-Butyl Ether (MTBE) | ND | 5 | 0.32 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Styrene | ND | 0.5 | 0.18 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.25 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Tetrachloroethylene | ND | 0.5 | 0.45 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Toluene | ND | 0.5 | 0.41 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.19 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.26 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Trichloroethylene | ND | 0.5 | 0.15 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Trichlorofluoromethane | ND | 1 | 0.26 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Vinyl Acetate | ND | 10 | 5.9 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Vinyl Chloride | ND | 0.5 | 0.13 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Xylenes m,p | 0.738 | 1 | 0.41 | ug/L | 1 | J | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Xylenes o | 0.561 | 0.5 | 0.12 | ug/L | 1 | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| Xylenes | 1.30 | 1 | | ug/L | | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/04/2025 | 23:44 | sbl |
| **TOC** | | | | | | | | | | | | | |
| TOC | 50.9 | 30 | 17 | mg/L | 100 | | 01/29/2025 | 15:52 | amm | SM 5310 C | 01/30/2025 | 08:48 | amm |

DQF Flags Definition:
- h The MS/MSD did not meet QC criteria.
- l The MS/MSD did not meet QC criteria.
- J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
- U Constituent results were non-detect.

February 18, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Basin - Eastern Inlet
Project : Chiquita Canyon Landfill-MPars

**Lab No. : SP 2501197-002**
**Customer No. : 2028560**

Sampled On : January 26, 2025 at 15:30
Sampled By : Blanca H/Isaac H
Received On : January 27, 2025 at 09:45
Matrix : Stormwater

## Sample Results - Field Test

| Constituent | Result | RL | Units | Note | Sample Preparation | | Sample Analysis | |
|---|---|---|---|---|---|---|---|---|
| **Field Test** | | | | | Method | Date Time | Method | Date Time |
| pH (Field) | 8.29 | | units | | | 01/26/2025 15:30 | 4500HB | 01/26/2025 15:30 |
| Turbidity | Overrange | | NTU | | | 01/26/2025 15:30 | 2130B | 01/26/2025 15:30 |
| Temperature | 11.3 | | °C | | | 01/26/2025 15:30 | 2550B | 01/26/2025 15:30 |

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.



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CA ELAP Certification No. 2810

February 18, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501197
Customer No. : 2028560

## Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Boron | 200.7 | 01/31/2025:201154EJC | Blank | mg/L | | ND | <0.05 | |
| | | | LCS | mg/L | 4.000 | 101% | 85-115 | |
| | | | MS | mg/L | 4.000 | 105% | 75-125 | |
| | | (VI 2540715-001) | MSD | mg/L | 4.000 | 109% | 75-125 | |
| | | | MSRPD | mg/L | | 3.8% | ≤20.0 | |
| | | | MS | mg/L | 4.000 | 104% | 75-125 | |
| | | (VI 2540607-001) | MSD | mg/L | 4.000 | 107% | 75-125 | |
| | | | MSRPD | mg/L | | 2.7% | ≤20.0 | |
| | 200.7 | 02/04/2025:201252EJC | Blank | mg/L | | ND | <0.05 | |
| | | | LCS | mg/L | 4.000 | 105% | 85-115 | |
| | | | MS | mg/L | 4.000 | 113% | 75-125 | |
| | | (VI 2540763-003) | MSD | mg/L | 4.000 | 102% | 75-125 | |
| | | | MSRPD | mg/L | | 10.9% | ≤20.0 | |
| | | | MS | mg/L | 4.000 | 113% | 75-125 | |
| | | (VI 2540763-002) | MSD | mg/L | 4.000 | 109% | 75-125 | |
| | | | MSRPD | mg/L | | 3.8% | ≤20.0 | |
| Calcium | 200.7 | 01/31/2025:201154EJC | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 101% | 85-115 | |
| | | | MS | mg/L | 12.00 | 147% | <¼ | 406 |
| | | (VI 2540715-001) | MSD | mg/L | 12.00 | 135% | <1/4 | |
| | | | MSRPD | mg/L | | 1.9% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 102% | 75-125 | |
| | | (VI 2540607-001) | MSD | mg/L | 12.00 | 93.8% | 75-125 | |
| | | | MSRPD | mg/L | | 1.1% | ≤20.0 | |
| | 200.7 | 02/04/2025:201252EJC | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 106% | 85-115 | |
| | | | MS | mg/L | 12.00 | 121% | 75-125 | |
| | | (VI 2540763-003) | MSD | mg/L | 12.00 | 70.0% | 75-125 | 435 |
| | | | MSRPD | mg/L | | 11.8% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 125% | 75-125 | |
| | | (VI 2540763-002) | MSD | mg/L | 12.00 | 106% | 75-125 | |
| | | | MSRPD | mg/L | | 7.5% | ≤20.0 | |
| Magnesium | 200.7 | 01/31/2025:201154EJC | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 103% | 85-115 | |
| | | | MS | mg/L | 12.00 | 124% | 75-125 | |
| | | (VI 2540715-001) | MSD | mg/L | 12.00 | 120% | 75-125 | |
| | | | MSRPD | mg/L | | 1.1% | ≤20 | |
| | | | MS | mg/L | 12.00 | 104% | 75-125 | |
| | | (VI 2540607-001) | MSD | mg/L | 12.00 | 102% | 75-125 | |
| | | | MSRPD | mg/L | | 0.5% | ≤20 | |
| | 200.7 | 02/04/2025:201252EJC | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 110% | 85-115 | |
| | | | MS | mg/L | 12.00 | 118% | 75-125 | |
| | | (VI 2540763-003) | MSD | mg/L | 12.00 | 93.2% | 75-125 | |
| | | | MSRPD | mg/L | | 11.7% | ≤20 | |
| | | | MS | mg/L | 12.00 | 119% | 75-125 | |



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February 18, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501197
Customer No. : 2028560

## Quality Control - Metals

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | (VI 2540763-002) | MSD | mg/L | 12.00 | 108% | 75-125 | |
| | | | MSRPD | mg/L | | 6.3% | ≤20 | |
| Manganese | 200.7 | 01/31/2025:201154EJC | Blank | mg/L | | ND | <0.01 | |
| | | | LCS | mg/L | 0.8000 | 103% | 85-115 | |
| | | | MS | mg/L | 0.8000 | 105% | 75-125 | |
| | | (VI 2540715-001) | MSD | mg/L | 0.8000 | 107% | 75-125 | |
| | | | MSRPD | mg/L | | 2.1% | ≤20.0 | |
| | | | MS | mg/L | 0.8000 | 105% | 75-125 | |
| | | (VI 2540607-001) | MSD | mg/L | 0.8000 | 108% | 75-125 | |
| | | | MSRPD | mg/L | | 2.9% | ≤20.0 | |
| | 200.7 | 02/04/2025:201252EJC | Blank | mg/L | | ND | <0.01 | |
| | | | LCS | mg/L | 0.8000 | 109% | 85-115 | |
| | | | MS | mg/L | 0.8000 | 114% | 75-125 | |
| | | (VI 2540763-003) | MSD | mg/L | 0.8000 | 101% | 75-125 | |
| | | | MSRPD | mg/L | | 11.4% | ≤20.0 | |
| | | | MS | mg/L | 0.8000 | 113% | 75-125 | |
| | | (VI 2540763-002) | MSD | mg/L | 0.8000 | 107% | 75-125 | |
| | | | MSRPD | mg/L | | 5.1% | ≤20.0 | |
| Potassium | 200.7 | 01/31/2025:201154EJC | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 101% | 85-115 | |
| | | | MS | mg/L | 12.00 | 107% | 75-125 | |
| | | (VI 2540715-001) | MSD | mg/L | 12.00 | 109% | 75-125 | |
| | | | MSRPD | mg/L | | 1.4% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 105% | 75-125 | |
| | | (VI 2540607-001) | MSD | mg/L | 12.00 | 108% | 75-125 | |
| | | | MSRPD | mg/L | | 2.2% | ≤20.0 | |
| | 200.7 | 02/04/2025:201252EJC | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 108% | 85-115 | |
| | | | MS | mg/L | 12.00 | 115% | 75-125 | |
| | | (VI 2540763-003) | MSD | mg/L | 12.00 | 100% | 75-125 | |
| | | | MSRPD | mg/L | | 11.3% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 113% | 75-125 | |
| | | (VI 2540763-002) | MSD | mg/L | 12.00 | 107% | 75-125 | |
| | | | MSRPD | mg/L | | 4.9% | ≤20.0 | |
| Sodium | 200.7 | 01/31/2025:201154EJC | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 101% | 85-115 | |
| | | | MS | mg/L | 12.00 | 171% | <¼ | 406 |
| | | (VI 2540715-001) | MSD | mg/L | 12.00 | 151% | <1/4 | |
| | | | MSRPD | mg/L | | 2.1% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 103% | 75-125 | |
| | | (VI 2540607-001) | MSD | mg/L | 12.00 | 94.5% | 75-125 | |
| | | | MSRPD | mg/L | | 1.3% | ≤20.0 | |
| | 200.7 | 02/04/2025:201252EJC | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 108% | 85-115 | |
| | | | MS | mg/L | 12.00 | 118% | 75-125 | |
| | | (VI 2540763-003) | MSD | mg/L | 12.00 | 83.1% | 75-125 | |
| | | | MSRPD | mg/L | | 11.3% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 159% | <¼ | 406 |
| | | (VI 2540763-002) | MSD | mg/L | 12.00 | 105% | 75-125 | |
| | | | MSRPD | mg/L | | 7.9% | ≤20.0 | |



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| **Definition** | | |
|---|---|---|
| Blank | : | Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| DQO | : | Data Quality Objective - This is the criteria against which the quality control data is compared. |
| LCS | : | Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| MS | : | Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : | Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSRPD | : | MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| ND | : | Non-detect - Result was below the DQO listed for the analyte. |
| **Explanation** | | |
| 406 | : | Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery. |
| 435 | : | Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |


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## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| TOC 415.1 | 5310C | 01/29/2025:201058AMM | Blank | mg/L | | ND | <0.3 | |
| | | | MS | mg/L | 25.00 | 99.6% | 75-125 | |
| | | (SP 2501297-001) | MSD | mg/L | 25.00 | 99.7% | 75-125 | |
| | | | MSRPD | mg/L | | 0.0% | ≤23.0 | |
| 1,1,1-Trichloroethane(TCA) | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 100% | 70-130 | |
| | | | MS | ug/L | 10.00 | 104% | 52-162 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 94.4% | 52-162 | |
| | | | MSRPD | ug/L | | 9.4% | ≤36 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 106% | 70-130 | |
| | | | MS | ug/L | 10.00 | 109% | 52-162 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 105% | 52-162 | |
| | | | MSRPD | ug/L | | 2.9% | ≤36 | |
| 1,1,2,2-Tetrachloroethane | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 114% | 60-140 | |
| | | | MS | ug/L | 10.00 | 116% | 46-157 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 91.6% | 46-157 | |
| | | | MSRPD | ug/L | | 23.1% | ≤61 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 97.9% | 60-140 | |
| | | | MS | ug/L | 10.00 | 93.7% | 46-157 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 97.6% | 46-157 | |
| | | | MSRPD | ug/L | | 4.1% | ≤61 | |
| 1,1,2-Trichloroethane | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 119% | 70-130 | |
| | | | MS | ug/L | 10.00 | 96.7% | 52-150 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 92.9% | 52-150 | |
| | | | MSRPD | ug/L | | 4.0% | ≤45 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 107% | 70-130 | |
| | | | MS | ug/L | 10.00 | 95.1% | 52-150 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 110% | 52-150 | |
| | | | MSRPD | ug/L | | 14.6% | ≤45 | |
| 1,1-Dichloroethane | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 97.6% | 70-130 | |
| | | | MS | ug/L | 10.00 | 104% | 59-155 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 83.5% | 59-155 | |
| | | | MSRPD | ug/L | | 21.6% | ≤40 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 92.6% | 70-130 | |
| | | | MS | ug/L | 10.00 | 117% | 59-155 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 37.7% | 59-155 | 435 |
| | | | MSRPD | ug/L | | 102.6% | ≤40 | 435 |
| 1,1-Dichloroethylene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 149% | 50-150 | |
| | | | MS | ug/L | 10.00 | 139% | 5-234 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 96.5% | 5-234 | |
| | | | MSRPD | ug/L | | 36.1% | ≤32 | 435 |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |


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## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | LCS | ug/L | 10.00 | 130% | 50-150 | |
| | | | MS | ug/L | 10.00 | 140% | 5-234 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 116% | 5-234 | |
| | | | MSRPD | ug/L | | 18.8% | ≤32 | |
| 1,2-Dichlorobenzene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 121% | 65-135 | |
| | | | MS | ug/L | 10.00 | 92.9% | 18-190 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 74.4% | 18-190 | |
| | | | MSRPD | ug/L | | 22.2% | ≤57 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 80.2% | 65-135 | |
| | | | MS | ug/L | 10.00 | 64.3% | 18-190 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 86.5% | 18-190 | |
| | | | MSRPD | ug/L | | 29.5% | ≤57 | |
| 1,2-Dichloroethane (EDC) | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 95.0% | 70-130 | |
| | | | MS | ug/L | 10.00 | 87.2% | 49-155 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 82.3% | 49-155 | |
| | | | MSRPD | ug/L | | 5.8% | ≤49 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 96.3% | 70-130 | |
| | | | MS | ug/L | 10.00 | 93.0% | 49-155 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 114% | 49-155 | |
| | | | MSRPD | ug/L | | 20.0% | ≤49 | |
| 1,2-Dichloropropane | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 134% | 35-165 | |
| | | | MS | ug/L | 10.00 | 107% | 5-210 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 148% | 5-210 | |
| | | | MSRPD | ug/L | | 32.7% | ≤55 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 116% | 35-165 | |
| | | | MS | ug/L | 10.00 | 111% | 5-210 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 117% | 5-210 | |
| | | | MSRPD | ug/L | | 6.0% | ≤55 | |
| 1,3-Dichlorobenzene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 105% | 70-130 | |
| | | | MS | ug/L | 10.00 | 114% | 59-156 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 88.4% | 59-156 | |
| | | | MSRPD | ug/L | | 25.7% | ≤43 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 95.7% | 70-130 | |
| | | | MS | ug/L | 10.00 | 73.0% | 59-156 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 79.9% | 59-156 | |
| | | | MSRPD | ug/L | | 9.0% | ≤43 | |
| 1,4-Dichlorobenzene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 125% | 65-135 | |
| | | | MS | ug/L | 10.00 | 101% | 18-190 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 84.2% | 18-190 | |
| | | | MSRPD | ug/L | | 17.7% | ≤57 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 89.5% | 65-135 | |



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## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | MS | ug/L | 10.00 | 76.1% | 18-190 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 79.5% | 18-190 | |
| | | | MSRPD | ug/L | | 4.4% | ≤57 | |
| 2-Butanone (MEK) | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <40 | |
| | | | LCS | ug/L | 100.0 | 80.7% | 52-147 | |
| | | | MS | ug/L | 100.0 | 92.3% | 8-193 | |
| | | (SP 2500999-001) | MSD | ug/L | 100.0 | 80.9% | 8-193 | |
| | | | MSRPD | ug/L | | 13.2% | ≤26 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <40 | |
| | | | LCS | ug/L | 100.0 | 86.0% | 52-147 | |
| | | | MS | ug/L | 100.0 | 92.1% | 8-193 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 116% | 8-193 | |
| | | | MSRPD | ug/L | | 22.7% | ≤26 | |
| 2-Chloroethylvinyl ether | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 100.0 | 110% | 1-225 | |
| | | | MS | ug/L | 100.0 | 61.9% | 1-305 | |
| | | (SP 2500999-001) | MSD | ug/L | 100.0 | 53.7% | 1-305 | |
| | | | MSRPD | ug/L | | 14.2% | ≤71 | |
| 2-Hexanone | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <30 | |
| | | | LCS | ug/L | 100.0 | 104% | 28-254 | |
| | | | MS | ug/L | 100.0 | 84.9% | 0-348 | |
| | | (SP 2500999-001) | MSD | ug/L | 100.0 | 81.4% | 0-348 | |
| | | | MSRPD | ug/L | | 4.3% | ≤29 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <30 | |
| | | | LCS | ug/L | 100.0 | 94.2% | 28-254 | |
| | | | MS | ug/L | 100.0 | 85.7% | 0-348 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 109% | 0-348 | |
| | | | MSRPD | ug/L | | 23.9% | ≤29 | |
| 4-Bromofluorobenzene (BFB) | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | 10.00 | 109% | 64-135 | |
| | | | LCS | ug/L | 10.00 | 118% | 64-135 | |
| | | | MS | ug/L | 10.00 | 107% | 86-116 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 114% | 86-116 | |
| | | | MSRPD | ug/L | | 6.9% | ≤12 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | 10.00 | 102% | 64-135 | |
| | | | LCS | ug/L | 10.00 | 110% | 64-135 | |
| | | | MS | ug/L | 10.00 | 118% | 86-116 | 435 |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 85.4% | 86-116 | 435 |
| | | | MSRPD | ug/L | | 31.7% | ≤12 | 435 |
| 4-Methyl-2-pentanone (MIBK) | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <30 | |
| | | | LCS | ug/L | 100.0 | 96.8% | 30-235 | |
| | | | MS | ug/L | 100.0 | 88.6% | 0-316 | |
| | | (SP 2500999-001) | MSD | ug/L | 100.0 | 82.4% | 0-316 | |
| | | | MSRPD | ug/L | | 7.3% | ≤24 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <30 | |
| | | | LCS | ug/L | 100.0 | 89.3% | 30-235 | |
| | | | MS | ug/L | 100.0 | 116% | 0-316 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 104% | 0-316 | |
| | | | MSRPD | ug/L | | 10.6% | ≤24 | |
| Acetone | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <25 | |
| | | | LCS | ug/L | 100.0 | 87.6% | 51-122 | |
| | | | MS | ug/L | 100.0 | 71.7% | 4-162 | |


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## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | (SP 2500999-001) | MSD | ug/L | 100.0 | 50.2% | 4-162 | |
| | | | MSRPD | ug/L | | 35.2% | ≤41 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <25 | |
| | | | LCS | ug/L | 100.0 | 82.7% | 51-122 | |
| | | | MS | ug/L | 100.0 | 77.4% | 4-162 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 37.2% | 4-162 | |
| | | | MSRPD | ug/L | | 70.2% | ≤41 | 435 |
| Acrolein | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 200.0 | 95.4% | 60-140 | |
| | | | MS | ug/L | 200.0 | 22.9% | 40-160 | 435 |
| | | (SP 2500999-001) | MSD | ug/L | 200.0 | 15.1% | 40-160 | 435 |
| | | | MSRPD | ug/L | | 41.4% | ≤60 | |
| Acrylonitrile | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 200.0 | 95.1% | 60-140 | |
| | | | MS | ug/L | 200.0 | 70.2% | 40-160 | |
| | | (SP 2500999-001) | MSD | ug/L | 200.0 | 51.1% | 40-160 | |
| | | | MSRPD | ug/L | | 31.6% | ≤60 | |
| Benzene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 90.1% | 65-135 | |
| | | | MS | ug/L | 10.00 | 87.2% | 37-151 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 80.5% | 37-151 | |
| | | | MSRPD | ug/L | | 8.0% | ≤61 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 97.2% | 65-135 | |
| | | | MS | ug/L | 10.00 | 97.8% | 37-151 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 96.9% | 37-151 | |
| | | | MSRPD | ug/L | | 1.0% | ≤61 | |
| Bromodichloromethane | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 94.3% | 65-135 | |
| | | | MS | ug/L | 10.00 | 94.3% | 35-155 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 86.8% | 35-155 | |
| | | | MSRPD | ug/L | | 5.0% | ≤56 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 115% | 65-135 | |
| | | | MS | ug/L | 10.00 | 106% | 35-155 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 117% | 35-155 | |
| | | | MSRPD | ug/L | | 7.5% | ≤56 | |
| Bromoform | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 127% | 70-130 | |
| | | | MS | ug/L | 10.00 | 122% | 45-169 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 99.9% | 45-169 | |
| | | | MSRPD | ug/L | | 20.2% | ≤52 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 100% | 70-130 | |
| | | | MS | ug/L | 10.00 | 65.8% | 45-169 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 79.8% | 45-169 | |
| | | | MSRPD | ug/L | | 8.9% | ≤52 | |
| Bromomethane (Methyl Bromide) | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 106% | 15-185 | |
| | | | MS | ug/L | 10.00 | 128% | 5-242 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 80.2% | 5-242 | |


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## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | MSRPD | ug/L | | 46.0% | ≤61 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 133% | 15-185 | |
| | | | MS | ug/L | 10.00 | 144% | 5-242 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 116% | 5-242 | |
| | | | MSRPD | ug/L | | 21.9% | ≤61 | |
| Carbon Disulfide | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 100.0 | 88.2% | 18-120 | |
| | | | MS | ug/L | 100.0 | 85.9% | 10-135 | |
| | | (SP 2500999-001) | MSD | ug/L | 100.0 | 63.4% | 10-135 | |
| | | | MSRPD | ug/L | | 30.1% | ≤38 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 100.0 | 86.2% | 18-120 | |
| | | | MS | ug/L | 100.0 | 42.4% | 10-135 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 41.4% | 10-135 | |
| | | | MSRPD | ug/L | | 2.3% | ≤38 | |
| Carbon Tetrachloride | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 109% | 70-130 | |
| | | | MS | ug/L | 10.00 | 113% | 70-140 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 99.8% | 70-140 | |
| | | | MSRPD | ug/L | | 12.4% | ≤41 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 109% | 70-130 | |
| | | | MS | ug/L | 10.00 | 122% | 70-140 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 111% | 70-140 | |
| | | | MSRPD | ug/L | | 9.6% | ≤41 | |
| Chlorobenzene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 117% | 65-135 | |
| | | | MS | ug/L | 10.00 | 143% | 37-160 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 107% | 37-160 | |
| | | | MSRPD | ug/L | | 28.7% | ≤53 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 125% | 65-135 | |
| | | | MS | ug/L | 10.00 | 116% | 37-160 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 109% | 37-160 | |
| | | | MSRPD | ug/L | | 6.0% | ≤53 | |
| Chloroethane (Ethyl Chloride) | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 135% | 40-160 | |
| | | | MS | ug/L | 10.00 | 170% | 14-230 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 85.4% | 14-230 | |
| | | | MSRPD | ug/L | | 66.3% | ≤78 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 151% | 40-160 | |
| | | | MS | ug/L | 10.00 | 136% | 14-230 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 96.5% | 14-230 | |
| | | | MSRPD | ug/L | | 34.0% | ≤78 | |
| Chloroform | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 102% | 70-135 | |
| | | | MS | ug/L | 10.00 | 106% | 5-273 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 89.4% | 5-273 | |
| | | | MSRPD | ug/L | | 8.3% | ≤54 | |


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February 18, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501197
Customer No. : 2028560

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 106% | 70-135 | |
| | | | MS | ug/L | 10.00 | 104% | 5-273 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 107% | 5-273 | |
| | | | MSRPD | ug/L | | 2.5% | ≤54 | |
| Chloromethane(Methyl Chloride) | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 69.9% | 5-205 | |
| | | | MS | ug/L | 10.00 | 84.4% | 5-273 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 54.4% | 5-273 | |
| | | | MSRPD | ug/L | | 43.1% | ≤60 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 96.5% | 5-205 | |
| | | | MS | ug/L | 10.00 | 95.5% | 5-273 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 75.2% | 5-273 | |
| | | | MSRPD | ug/L | | 23.7% | ≤60 | |
| cis-1,3-Dichloropropene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 148% | 25-175 | |
| | | | MS | ug/L | 10.00 | 98.2% | 5-227 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 91.5% | 5-227 | |
| | | | MSRPD | ug/L | | 7.0% | ≤58 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 114% | 25-175 | |
| | | | MS | ug/L | 10.00 | 127% | 5-227 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 119% | 5-227 | |
| | | | MSRPD | ug/L | | 6.1% | ≤58 | |
| Dibromochloromethane | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 126% | 70-135 | |
| | | | MS | ug/L | 10.00 | 116% | 53-149 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 103% | 53-149 | |
| | | | MSRPD | ug/L | | 9.7% | ≤50 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 128% | 70-135 | |
| | | | MS | ug/L | 10.00 | 102% | 53-149 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 81.8% | 53-149 | |
| | | | MSRPD | ug/L | | 9.8% | ≤50 | |
| Ethylbenzene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 143% | 60-140 | 330 |
| | | | MS | ug/L | 10.00 | 119% | 37-162 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 106% | 37-162 | |
| | | | MSRPD | ug/L | | 11.3% | ≤63 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 111% | 60-140 | |
| | | | MS | ug/L | 10.00 | 85.3% | 37-162 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 100% | 37-162 | |
| | | | MSRPD | ug/L | | 15.9% | ≤63 | |
| Fluorobenzene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | 10.00 | 100% | 56-154 | |
| | | | LCS | ug/L | 10.00 | 92.3% | 56-154 | |
| | | | MS | ug/L | 10.00 | 96.7% | 83-119 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 87.8% | 83-119 | |
| | | | MSRPD | ug/L | | 9.6% | ≤15 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | 10.00 | 101% | 56-154 | |


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## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | LCS | ug/L | 10.00 | 107% | 56-154 | |
| | | | MS | ug/L | 10.00 | 115% | 83-119 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 118% | 83-119 | |
| | | | MSRPD | ug/L | | 2.6% | ≤15 | |
| Methyl tert-Butyl Ether (MTBE) | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 10.00 | 124% | 89-136 | |
| | | | MS | ug/L | 10.00 | 92.0% | 45-174 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 60.8% | 45-174 | |
| | | | MSRPD | ug/L | | 40.8% | ≤2 | 435 |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 10.00 | 89.2% | 89-136 | |
| | | | MS | ug/L | 10.00 | 93.3% | 45-174 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 52.8% | 45-174 | |
| | | | MSRPD | ug/L | | 55.4% | ≤2 | 435 |
| Methylene Chloride | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 126% | 60-140 | |
| | | | MS | ug/L | 10.00 | 118% | 5-221 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 82.8% | 5-221 | |
| | | | MSRPD | ug/L | | 35.1% | ≤28 | 435 |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 128% | 60-140 | |
| | | | MS | ug/L | 10.00 | 51.7% | 5-221 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 54.7% | 5-221 | |
| | | | MSRPD | ug/L | | 5.2% | ≤28 | |
| Pentafluorobenzene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | 10.00 | 101% | 54-168 | |
| | | | LCS | ug/L | 10.00 | 89.2% | 54-168 | |
| | | | MS | ug/L | 10.00 | 92.0% | 79-136 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 90.3% | 79-136 | |
| | | | MSRPD | ug/L | | 1.8% | ≤3 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | 10.00 | 91.6% | 54-168 | |
| | | | LCS | ug/L | 10.00 | 104% | 54-168 | |
| | | | MS | ug/L | 10.00 | 97.3% | 79-136 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 99.9% | 79-136 | |
| | | | MSRPD | ug/L | | 2.7% | ≤3 | |
| Styrene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 121% | 74-122 | |
| | | | MS | ug/L | 10.00 | 138% | 0-186 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 107% | 0-186 | |
| | | | MSRPD | ug/L | | 25.7% | ≤20 | 435 |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 110% | 74-122 | |
| | | | MS | ug/L | 10.00 | 97.1% | 0-186 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 90.8% | 0-186 | |
| | | | MSRPD | ug/L | | 6.6% | ≤20 | |
| Tetrachloroethylene (PCE) | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 83.1% | 70-130 | |
| | | | MS | ug/L | 10.00 | 115% | 64-148 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 103% | 64-148 | |
| | | | MSRPD | ug/L | | 11.6% | ≤39 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 117% | 70-130 | |


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## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | MS | ug/L | 10.00 | 119% | 64-148 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 115% | 64-148 | |
| | | | MSRPD | ug/L | | 3.8% | ≤39 | |
| Toluene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 70.7% | 70-130 | |
| | | | MS | ug/L | 10.00 | 101% | 47-150 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 83.3% | 47-150 | |
| | | | MSRPD | ug/L | | 12.0% | ≤41 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 114% | 70-130 | |
| | | | MS | ug/L | 10.00 | 141% | 47-150 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 109% | 47-150 | |
| | | | MSRPD | ug/L | | 25.4% | ≤41 | |
| trans-1,2-Dichloroethylene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 96.6% | 70-130 | |
| | | | MS | ug/L | 10.00 | 125% | 54-156 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 79.8% | 54-156 | |
| | | | MSRPD | ug/L | | 44.4% | ≤45 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 110% | 70-130 | |
| | | | MS | ug/L | 10.00 | 121% | 54-156 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 72.3% | 54-156 | |
| | | | MSRPD | ug/L | | 50.3% | ≤45 | 435 |
| trans-1,3-Dichloropropene | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 125% | 50-150 | |
| | | | MS | ug/L | 10.00 | 101% | 17-183 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 90.7% | 17-183 | |
| | | | MSRPD | ug/L | | 10.6% | ≤86 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 114% | 50-150 | |
| | | | MS | ug/L | 10.00 | 122% | 17-183 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 108% | 17-183 | |
| | | | MSRPD | ug/L | | 11.9% | ≤86 | |
| Trichloroethylene (TCE) | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 101% | 65-135 | |
| | | | MS | ug/L | 10.00 | 93.9% | 70-157 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 78.8% | 70-157 | |
| | | | MSRPD | ug/L | | 17.5% | ≤48 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 104% | 65-135 | |
| | | | MS | ug/L | 10.00 | 117% | 70-157 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 121% | 70-157 | |
| | | | MSRPD | ug/L | | 3.2% | ≤48 | |
| Trichlorofluoromethane F-11 | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 122% | 50-150 | |
| | | | MS | ug/L | 10.00 | 182% | 17-181 | 435 |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 122% | 17-181 | |
| | | | MSRPD | ug/L | | 39.3% | ≤84 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 121% | 50-150 | |
| | | | MS | ug/L | 10.00 | 144% | 17-181 | |


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February 18, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501197
Customer No. : 2028560

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 108% | 17-181 | |
| | | | MSRPD | ug/L | | 28.0% | ≤84 | |
| Vinyl Acetate | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 100.0 | 105% | 52-178 | |
| | | | MS | ug/L | 100.0 | 108% | 0-243 | |
| | | (SP 2500999-001) | MSD | ug/L | 100.0 | 72.7% | 0-243 | |
| | | | MSRPD | ug/L | | 38.8% | ≤116 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 100.0 | 85.2% | 52-178 | |
| | | | MS | ug/L | 100.0 | 89.3% | 0-243 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 39.3% | 0-243 | |
| | | | MSRPD | ug/L | | 77.8% | ≤116 | |
| Vinyl Chloride | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 83.4% | 5-195 | |
| | | | MS | ug/L | 10.00 | 109% | 5-251 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 71.8% | 5-251 | |
| | | | MSRPD | ug/L | | 41.4% | ≤66 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 105% | 5-195 | |
| | | | MS | ug/L | 10.00 | 112% | 5-251 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 117% | 5-251 | |
| | | | MSRPD | ug/L | | 4.4% | ≤66 | |
| Xylenes m,p | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 145% | 72-120 | 330 |
| | | | MS | ug/L | 20.00 | 129% | 35-157 | |
| | | (SP 2500999-001) | MSD | ug/L | 20.00 | 115% | 35-157 | |
| | | | MSRPD | ug/L | | 11.5% | ≤16 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 112% | 72-120 | |
| | | | MS | ug/L | 20.00 | 83.3% | 35-157 | |
| | | (SP 2501685-001) | MSD | ug/L | 20.00 | 99.7% | 35-157 | |
| | | | MSRPD | ug/L | | 17.9% | ≤16 | 435 |
| Xylenes o | 624.1 | 01/30/2025:201117SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 118% | 72-119 | |
| | | | MS | ug/L | 10.00 | 137% | 52-143 | |
| | | (SP 2500999-001) | MSD | ug/L | 10.00 | 109% | 52-143 | |
| | | | MSRPD | ug/L | | 23.0% | ≤24 | |
| | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 113% | 72-119 | |
| | | | MS | ug/L | 10.00 | 99.1% | 52-143 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 93.1% | 52-143 | |
| | | | MSRPD | ug/L | | 6.2% | ≤24 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.


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**Explanation**

330 : The LCS was out of acceptance limits. Results may be biased high.

435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.



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February 18, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501197
Customer No. : 2028560

## Quality Control - Wet Chem

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Alkalinity (as CaCO3) | 2320B | (SP 2501197-001) | Dup | mg/L | | 1.52% | 10 | |
| E. C. | 2320B | (SP 2501197-001) | Dup | umhos/cm | | 0.5% | 5 | |
| pH | 2320B | (SP 2501197-001) | Dup | units | | 0.4% | 4.80 | |
| Solids, Total Dissolved | 2540CE | 01/28/2025:201004CTL | Blank | mg/L | | ND | <20 | |
| | | | LCS | mg/L | 991.1 | 104% | 90-110 | |
| | | (VI 2540562-002) | Dup | mg/L | | 1.68% | 5 | |
| | | (VI 2540562-002) | Dup | mg/L | | 1.02% | 5 | |
| Bromide | 300.0 | 01/31/2025:201155LDM | Blank | mg/L | | ND | <0.03 | |
| | 300.0 | 01/31/2025:201156LDM | Blank | mg/L | | ND | <0.03 | |
| | 300.0 | 01/31/2025:201155LDM | LCS | mg/L | 5.000 | 97.4% | 90-110 | |
| | 300.0 | 01/31/2025:201156LDM | LCS | mg/L | 5.000 | 94.3% | 90-110 | |
| | | | MS | mg/L | 10.00 | 101% | 86-115 | |
| | 300.0 | 01/31/2025:201155LDM | MS | mg/L | 10.00 | 99.2% | 86-115 | |
| | 300.0 | (CH 2570645-002) | MSD | mg/L | 10.00 | 101% | 86-115 | |
| | 300.0 | (CH 2570646-003) | MSD | mg/L | 10.00 | 99.0% | 86-115 | |
| | | | MSRPD | mg/L | | 0.2% | ≤9 | |
| | 300.0 | 01/31/2025:201156LDM | MSRPD | mg/L | | 0.1% | ≤9 | |
| | | | MS | mg/L | 10.00 | 99.4% | 86-115 | |
| | 300.0 | 01/31/2025:201155LDM | MS | mg/L | 10.00 | 99.8% | 86-115 | |
| | | (CC 2580207-001) | MSD | mg/L | 10.00 | 99.1% | 86-115 | |
| | 300.0 | (STK2530775-002) | MSD | mg/L | 10.00 | 99.3% | 86-115 | |
| | | | MSRPD | mg/L | | 0.2% | ≤9 | |
| | 300.0 | 01/31/2025:201155LDM | MSRPD | mg/L | | 0.7% | ≤9 | |
| Fluoride | 300.0 | 01/31/2025:201156LDM | Blank | mg/L | | ND | <0.1 | |
| | 300.0 | 01/31/2025:201155LDM | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 2.500 | 101% | 90-110 | |
| | 300.0 | 01/31/2025:201156LDM | LCS | mg/L | 2.500 | 96.6% | 90-110 | |
| | | | MS | mg/L | 5.000 | 104% | 89-111 | |
| | 300.0 | 01/31/2025:201155LDM | MS | mg/L | 5.000 | 104% | 89-111 | |
| | | (CH 2570646-003) | MSD | mg/L | 5.000 | 104% | 89-111 | |
| | 300.0 | (CH 2570645-002) | MSD | mg/L | 5.000 | 104% | 89-111 | |
| | 300.0 | 01/31/2025:201155LDM | MSRPD | mg/L | | 0.5% | ≤9 | |
| | 300.0 | 01/31/2025:201156LDM | MSRPD | mg/L | | 0.3% | ≤9 | |
| | | | MS | mg/L | 5.000 | 102% | 89-111 | |
| | 300.0 | 01/31/2025:201155LDM | MS | mg/L | 5.000 | 103% | 89-111 | |
| | | (CC 2580207-001) | MSD | mg/L | 5.000 | 103% | 89-111 | |
| | 300.0 | (STK2530775-002) | MSD | mg/L | 5.000 | 102% | 89-111 | |
| | | | MSRPD | mg/L | | 0.5% | ≤9 | |
| | 300.0 | 01/31/2025:201155LDM | MSRPD | mg/L | | 0.2% | ≤9 | |
| Sulfate | 300.0 | 01/31/2025:201156LDM | Blank | mg/L | | ND | <0.5 | |
| | 300.0 | 01/31/2025:201155LDM | Blank | mg/L | | ND | <0.5 | |
| | 300.0 | 01/31/2025:201156LDM | LCS | mg/L | 50.00 | 98.1% | 90-110 | |
| | 300.0 | 01/31/2025:201155LDM | LCS | mg/L | 50.00 | 98.7% | 90-110 | |
| | | | MS | mg/L | 100.0 | 97.2% | 18-165 | |
| | 300.0 | 01/31/2025:201156LDM | MS | mg/L | 100.0 | 103% | 18-165 | |
| | 300.0 | (CH 2570646-003) | MSD | mg/L | 100.0 | 97.3% | 18-165 | |
| | 300.0 | (CH 2570645-002) | MSD | mg/L | 100.0 | 103% | 18-165 | |
| | 300.0 | 01/31/2025:201155LDM | MSRPD | mg/L | | 0.2% | ≤7 | |
| | 300.0 | 01/31/2025:201156LDM | MSRPD | mg/L | | 0.1% | ≤7 | |


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| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | MS | mg/L | 100.0 | 99.7% | 18-165 | |



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February 18, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501197
Customer No. : 2028560

## Quality Control - Wet Chem

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | 300.0 | 01/31/2025:201155LDM | MS | mg/L | 100.0 | 92.6% | 18-165 | |
| | 300.0 | (STK2530775-002) | MSD | mg/L | 100.0 | 99.6% | 18-165 | |
| | 300.0 | (CC 2580207-001) | MSD | mg/L | 100.0 | 93.0% | 18-165 | |
| | | | MSRPD | mg/L | | 0.2% | ≤7 | |
| | 300.0 | 01/31/2025:201156LDM | MSRPD | mg/L | | 0.1% | ≤7 | |
| Carbon Dioxide | 4500COC | (SP 2501197-001) | Dup | mg/L | | 0% | 30 | |
| Nitrate Nitrogen | 4500NO3F | 02/07/2025:201422MM1 | Blank | mg/L | | ND | <0.4 | |
| | | | LCS | mg/L | 11.22 | 103% | 80-120 | |
| | | | MS | mg/L | 5.609 | 89.6% | 66-125 | |
| | | (STK2531704-001) | MSD | mg/L | 5.609 | 90.6% | 66-125 | |
| | | | MSRPD | mg/L | | 0.4% | ≤30.4 | |
| | 4500NO3F | 02/11/2025:201532MM1 | Blank | mg/L | | ND | <0.4 | |
| | | | LCS | mg/L | 11.22 | 98.8% | 80-120 | |
| | | | MS | mg/L | 5.609 | 95.4% | 66-125 | |
| | | (SP 2502026-012) | MSD | mg/L | 5.609 | 97.1% | 66-125 | |
| | | | MSRPD | mg/L | | 1.1% | ≤30.4 | |
| Sulfide, Total | 4500S D | 01/29/2025:201059CTL | LCS | mg/L | 0.6667 | 99.6% | 75-125 | |
| | | (SP 2501197-001) | Dup | mg/L | | 10.2% | 20 | |
| COD | 5220D | 02/03/2025:201210JCG | Blank | mg/L | | ND | <20 | |
| | | | LCS | mg/L | 200.0 | 104% | 95-105 | |
| | | | MS | mg/L | 200.0 | 102% | 33-147 | |
| | | (SP 2501344-003) | MSD | mg/L | 200.0 | 106% | 33-147 | |
| | | | MSRPD | mg/L | | 2.7% | ≤15 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.

Dup : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.

LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.

MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.


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Laboratory Copy (1 of 2)

6284:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **Chiquita Canyon Landfill**
Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:
Contact Person: Matt Breuer
Project Name: **Chiquita Cyn Landfill-MPars 2**
Purchase Order Number:
Quote Number: **SP 20241121-05**

Sampler(s) BLANCA HOFFMEIER
Isaac Hoffmeier

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 2501197 2-28560

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Wet Chemistry-SO4,TDS,NO3-N,F,CO2,Br,Alk. (CaCO3) 32oz(P) | Wet Chemistry-COD 16oz(P)-H2SO4 | Wet Chemistry-Total Sulfide 16oz(P)-NaOH + Zinc Acetate | Metals, Total-B,Ca,Mg,Mn,K,Na 250ml(P)-HNO3 | TOC 40ml(AVT)-H3PO4 | EPA 624.1 40ml(VOA)-HCl , 250ml(AGT) | Sub Organic-1,4, Dioxane by 8270 ***Requires MDL Reporting**** 1000ml(AGT) | Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!! | Field - pH Date | Field - pH Time | Field Test-Field Turbidity | Field Test-Field Temp. Circle one: °F or °C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 1/26/25 | 9:30am | G | STM | | | | 1 | 1 | 1 | 1 | 2 | 2,1 | 1 | " | ERROR | " | 3063 | n/a |
| 2 | South Basin - Eastern Inlet | 1/26/25 | 3:30pm | G | STM | | | | 1 | 1 | 1 | 1 | 2 | 2,1 | 1 | 8.29 | 1/26 | 3:45 | overrange | 11.3 |
| | | | | | | | | | | | | | | | | | | | | |
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Remarks: **Multiple Chains**
-1 pH in lab

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| BLANCA Hoffmeier | 1/27/25 | 9:45am | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| MC | 1/27/25 | 9:45 | | | | | | |


**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2000
Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
Phone: (209) 942-0182
Fax: (209) 942-0423

PCE 14
TH268

**Office & Laboratory**
563 E. Lindo
Chico, CA 95926
Phone: (530) 343-5818
Fax: (530) 343-3807

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
Phone: (805) 783-2940
Fax: (805) 783-2912

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
Phone: (559) 734-9473
Fax: (559) 734-8435

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

**Special**

# CHAIN OF CUSTODY
*www.fglinc.com*

Laboratory Copy (1 of 2)

6284:01/06/2025

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: Chiquita Canyon Landfill
Address: Chiquita Canyon, LLC
29201 Henry Mayo Dr.
Castaic, CA 91384

Phone: (425)414-2903 Fax:
Contact Person: Matt Breuer
Project Name: **Chiquita Cyn Landfill-MPars 2**
Purchase Order Number:
Quote Number: **SP 20241121-05**

Sampler(s) Blanca Hoffmeier
Isaac Hoffmeier

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 2501197 **2-28560**

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Field Test-Field E.C. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 1/26/25 | 9:30 | G | STM | | | | — |
| 2 | South Basin - Eastern Inlet | 1/26/25 | 3:30 | G | STM | | | | — |

Remarks: **Multiple Chains**

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| Blanca Hoffmeier | 1/27/25 | 9:45 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| MC | 1/27/25 | 9:45 | | | | | | |


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Chico, CA 95926
Phone: (530) 343-5818

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San Luis Obispo, CA 93401

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

# Subcontract to
# Eurofins Calscience, Inc

## *CHAIN OF CUSTODY*
***AND ANALYSES REQUEST FORM***



**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501197**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-1,4, Dioxane by 8270 ***Requires MDL Reporting**** 1000ml(AGT) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Basin - Western Inlet | 01/26/2025 | 09:30 | G | STM | | | | 1 | | | | | | | | |
| 2 | South Basin - Eastern Inlet | 01/26/2025 | 15:30 | G | STM | | | | 1 | | | | | | | | |
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Remarks
Sample 1: MDL Reporting
Sample 2: MDL Reporting

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
|---|---|---|---|---|---|---|---|---|
| Received By: | Date | Time | Received By: | Date | Time | Received By: | Date | Time |

**Corporate Offices & Laboratory**
853 Corporation Street
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CA ELAP Certification No. 1573

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CA ELAP Certification No. 2775

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

**Subject:** Re: VOA Headspace for 2501198 & 2501197
**From:** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Date:** 1/28/2025, 7:34 AM
**To:** Matthew Casas <matthewc@fglinc.com>
**CC:** Login Santa Paula <loginsp@fglinc.com>

Thank you again for the notice. Please proceed with analysis.

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

---

**From:** Matthew Casas <matthewc@fglinc.com>
**Sent:** Monday, January 27, 2025 12:37 PM
**To:** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Cc:** Login Santa Paula <loginsp@fglinc.com>
**Subject:** VOA Headspace for 2501198 & 2501197

Hello Matt,
Attached are the COCs for the affected projects.
**2501197 Chiquita Cyn Landfill-MPars 2**: 624.1 40ml VOAs had too much headspace. The chemist can proceed with this but the results will be biased low.
**2501198 Chiquita Landfill - App II 2**: 8260 40ml VOAs had too much headspace. The sub-lab will make the determination of how biased these results will be due to the headspace.

Please let me know how you would like to proceed with these.
Also, Blanca had mentioned that she thought some sample containers were missing but all containers and labels are accounted for.

--
Regards,
Matthew Casas
Sample Receiving
Fruit Growers Laboratory
805-392-2017

# Condition Upon Receipt (Attach to COC) SP 2501197

**Sample Receipt at SP:**

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking number(s) _____
3. Temp IR Gun ID#: **TH261**
4. Were samples received on Ice? **Yes** **No** Temps: **ROI** / **14C** / _____ / _____ / _____ / _____
5. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
6. Do the number of bottles received agree with the COC? **Yes** **No** **N/A**
7. Verify sample date, time, sampler **Yes** **No**
8. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **Yes** **No**

**Sample Verification, Labeling and Distribution:**

1. Were all requested analyses understood and acceptable? **Yes** **No**
2. Did bottle labels correspond with the client's ID's? **Yes** **No**
3. Were all bottles requiring sample preservation properly preserved? **Yes** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **No** **N/A**
5. Were all analyses within holding times at time of receipt? **Yes** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **N/A**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 01/28/2025-09:40:00

**Discrepency Documentation:**

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: Matt Breuer Phone Number: _____
   Initiated By: MDC Date: _____
   Problem: **624.1 VOAs had significant headspace.**

   Resolution: **Matt approved proceeding with analysis.**

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2028560)
Chiquita Canyon Landfill
**SP 2501197**
MDC-01/28/2025-09:40:00

February 20, 2025

Chiquita Canyon, LLC
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

**Subject: Subcontract Analysis for FGL Lab No. SP 2501350**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 8260

Please note that this analysis was performed by Zalco Laboratories, Inc.

Thank you for using FGL Environmental.

Sincerely,

**Stephanie Herron** Digitally signed by Stephanie Herron
Title: Customer Service Rep
Date: 2025-02-20

Enclosure

Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

February 20, 2025

Cindy Aguirre

Fruit Growers Laboratory, Inc.
853 Corporation Street
Santa Paula, CA 93060

RE: Master

Zalco Work Order: 2501611

Zalco Project:

Enclosed are the results of analyses for samples received by our laboratory on 1/30/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andrea Magana For Juan Magana
Laboratory Technical Manager

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

# Subcontract to Zalco Laboratories, Inc. 2501611

## CHAIN OF CUSTODY
*AND ANALYSES REQUEST FORM*

Page 1 of 1

**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501350**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

**Sample Information** / **Test Description(s)**

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 8260 - Appendix II ***Report only the compounds on the 40CFR258 Appx II list*** ***Requires MDL Reporting**** 40ml(AGT) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Sedimentaion Basin - Sta | 01/28/2025 | 12:15 | G | STM | | | | 4 | | | | | | | | |
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Remarks
Sample 1: MDL Reporting

5.9C (R.T.)

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
|---|---|---|---|---|---|---|---|---|
| Cm | 1/29/25 | 17:00 | | | | | | |
| **Received By:** | **Date** | **Time** | **Received By:** | **Date** | **Time** | **Received By:** | **Date** | **Time** |
| ↓ | ↓ | | AMCL | 1/30/25 | 12:00 | | | |

**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

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TEL: (209)942-0182
CA ELAP Certification No. 1563

**Office & Laboratory**
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TEL: (530)343-5818
CA ELAP Certification No. 2670

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TEL: (805)783-2940
CA ELAP Certification No. 2775

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501350 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/20/2025 09:58 |

## Work Order Case Narrative

Sample results evaluated to the MDL

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

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Laboratories, Inc.
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Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501350 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/20/2025 09:58 |

## Sample Results

**Sample Name:** **South Sedimentation Basin- Sta**

**Lab ID:** **2501611-01**

**Sampled Date - Time:** 1/28/2025 12:15:00PM
**Matrix:** Water
**Sample Type:** Grab

### Volatile Organic Compounds by GC/MS

| Analyte | Result | Report Limt | MDL | Units | Dilution | Date Analyzed | Method | Analyst Initials | Qual |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 50 | 48 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Acrolein | ND | 20 | 4.9 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Acrylonitrile | ND | 20 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Benzene | ND | 5.0 | 1.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromochloromethane | ND | 5.0 | 0.93 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromodichloromethane | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromoform | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Bromomethane | ND | 5.0 | 2.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2-Butanone | ND | 50 | 22 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Carbon disulfide | ND | 5.0 | 2.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Carbon tetrachloride | ND | 5.0 | 1.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chlorobenzene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chloroethane | ND | 5.0 | 3.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chloroform | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chloromethane | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 2.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Dibromomethane | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dichlorobenzene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,3-Dichlorobenzene | ND | 5.0 | 1.9 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,4-Dichlorobenzene | ND | 5.0 | 2.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Dichlorodifluoromethane | ND | 5.0 | 0.91 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1-Dichloroethane | ND | 5.0 | 1.3 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dichloroethane | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1-Dichloroethene | ND | 5.0 | 1.7 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| trans-1,2-Dichloroethene | ND | 5.0 | 1.9 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2-Dichloropropane | ND | 5.0 | 0.92 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| cis-1,3-Dichloropropene | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| trans-1,3-Dichloropropene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Ethylbenzene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Dibromochloromethane | ND | 5.0 | 1.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| cis-1,2-Dichloroethene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,3-Dichloropropane | ND | 5.0 | 1.4 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2,2-Dichloropropane | ND | 5.0 | 1.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1-Dichloropropene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 2-Hexanone | ND | 50 | 32 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Iodomethane | ND | 5.0 | 1.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Methylene chloride | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 4-Methyl-2-pentanone | ND | 50 | 24 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document. No duplication of this report is allowed, except in its entirety.

Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501350 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/20/2025 09:58 |

## Sample Results
**(Continued)**

**Sample Name:** **South Sedimentation Basin- Sta (Continued)** **Sampled Date - Time:** 1/28/2025 12:15:00PM
**Matrix:** Water
**Lab ID:** **2501611-01** **Sample Type:** Grab

| Analyte | Result | Report Limt | MDL | Units | Dilution | Date Analyzed | Method | Analyst Initials | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS (Continued)** | | | | | | | | | |
| Xylenes, total | 0.0 | | | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Naphthalene | ND | 5.0 | 3.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Styrene | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Toluene | ND | 5.0 | 3.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Tetrachloroethene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 3.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,1-Trichloroethane | ND | 5.0 | 1.0 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1.5 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Trichloroethene | ND | 5.0 | 0.85 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Trichlorofluoromethane | ND | 5.0 | 1.8 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| 1,2,3-Trichloropropane | ND | 5.0 | 1.6 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Vinyl acetate | ND | 5.0 | 4.1 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Vinyl chloride | ND | 5.0 | 1.3 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Acetonitrile | ND | 5.0 | 0.83 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |
| Chloroprene | ND | 5.0 | 1.2 | ug/L | 1 | 1/30/25 16:33 | SW846 8260B | JAM | |

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Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501350 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/20/2025 09:58 |

# Quality Control

## Volatile Organic Compounds by GC/MS

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: 5B00177 - EPA 5030B*** | | | | | | | | | | |
| **Blank (5B00177-BLK1)** | | | | | Prepared & Analyzed: 1/30/2025 | | | | | |
| Acetone | ND | | 50 | ug/L | | | | | | |
| Acrolein | ND | | 20 | ug/L | | | | | | |
| Acrylonitrile | ND | | 20 | ug/L | | | | | | |
| Benzene | ND | | 5.0 | ug/L | | | | | | |
| Bromochloromethane | ND | | 5.0 | ug/L | | | | | | |
| Bromodichloromethane | ND | | 5.0 | ug/L | | | | | | |
| Bromoform | ND | | 5.0 | ug/L | | | | | | |
| Bromomethane | ND | | 5.0 | ug/L | | | | | | |
| 2-Butanone | ND | | 50 | ug/L | | | | | | |
| Tert-butyl alcohol | ND | | 25 | ug/L | | | | | | |
| Carbon disulfide | ND | | 5.0 | ug/L | | | | | | |
| Carbon tetrachloride | ND | | 5.0 | ug/L | | | | | | |
| Chlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| Chloroethane | ND | | 5.0 | ug/L | | | | | | |
| 2-Chloroethylvinyl ether | ND | | 5.0 | ug/L | | | | | | |
| Chloroform | ND | | 5.0 | ug/L | | | | | | |
| Chloromethane | ND | | 5.0 | ug/L | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | | 5.0 | ug/L | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | | 5.0 | ug/L | | | | | | |
| Dibromomethane | ND | | 5.0 | ug/L | | | | | | |
| 1,2-Dichlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| 1,3-Dichlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| 1,4-Dichlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| Dichlorodifluoromethane | ND | | 5.0 | ug/L | | | | | | |
| 1,1-Dichloroethane | ND | | 5.0 | ug/L | | | | | | |
| 1,2-Dichloroethane | ND | | 5.0 | ug/L | | | | | | |
| 1,1-Dichloroethene | ND | | 5.0 | ug/L | | | | | | |
| trans-1,2-Dichloroethene | ND | | 5.0 | ug/L | | | | | | |
| 1,2-Dichloropropane | ND | | 5.0 | ug/L | | | | | | |
| cis-1,3-Dichloropropene | ND | | 5.0 | ug/L | | | | | | |
| trans-1,3-Dichloropropene | ND | | 5.0 | ug/L | | | | | | |
| Bromobenzene | ND | | 5.0 | ug/L | | | | | | |
| n-Butylbenzene | ND | | 5.0 | ug/L | | | | | | |
| sec-Butylbenzene | ND | | 5.0 | ug/L | | | | | | |
| Ethyl acetate | ND | | 50 | ug/L | | | | | | |
| tert-Butylbenzene | ND | | 5.0 | ug/L | | | | | | |
| 2-Chlorotoluene | ND | | 5.0 | ug/L | | | | | | |
| Ethylbenzene | ND | | 5.0 | ug/L | | | | | | |
| 4-Chlorotoluene | ND | | 5.0 | ug/L | | | | | | |
| Dibromochloromethane | ND | | 5.0 | ug/L | | | | | | |
| cis-1,2-Dichloroethene | ND | | 5.0 | ug/L | | | | | | |
| 1,3-Dichloropropane | ND | | 5.0 | ug/L | | | | | | |
| Hexachlorobutadiene | ND | | 5.0 | ug/L | | | | | | |
| 2,2-Dichloropropane | ND | | 5.0 | ug/L | | | | | | |
| 1,1-Dichloropropene | ND | | 5.0 | ug/L | | | | | | |
| 2-Hexanone | ND | | 50 | ug/L | | | | | | |
| Di-isopropyl ether | ND | | 5.0 | ug/L | | | | | | |

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Zalco
Laboratories, Inc.
4309 Armour Ave.
Bakersfield, CA 93308
661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501350 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/20/2025 09:58 |

## Quality Control
**(Continued)**

### Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: 5B00177 - EPA 5030B (Continued)*** | | | | | | | | | | |
| **Blank (5B00177-BLK1)** | | | | | Prepared & Analyzed: 1/30/2025 | | | | | |
| Ethyl tert-Butyl Ether | ND | | 5.0 | ug/L | | | | | | |
| Iodomethane | ND | | 5.0 | ug/L | | | | | | |
| 4-Isopropyltoluene | ND | | 5.0 | ug/L | | | | | | |
| Isopropylbenzene | ND | | 5.0 | ug/L | | | | | | |
| Methyl tert-Butyl Ether | ND | | 5.0 | ug/L | | | | | | |
| n-Propyl Benzene | ND | | 5.0 | ug/L | | | | | | |
| Tert-Amyl Methyl Ether | ND | | 5.0 | ug/L | | | | | | |
| 1,2,3-Trichlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | 5.0 | ug/L | | | | | | |
| Methylene chloride | ND | | 5.0 | ug/L | | | | | | |
| 1,3,5-Trimethylbenzene | ND | | 5.0 | ug/L | | | | | | |
| 4-Methyl-2-pentanone | ND | | 50 | ug/L | | | | | | |
| Xylenes, total | 0.0 | | | ug/L | | | | | | |
| m,p-Xylene | ND | | 5.0 | ug/L | | | | | | |
| o-Xylene | ND | | 5.0 | ug/L | | | | | | |
| Naphthalene | ND | | 5.0 | ug/L | | | | | | |
| Styrene | ND | | 5.0 | ug/L | | | | | | |
| Toluene | ND | | 5.0 | ug/L | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | | 5.0 | ug/L | | | | | | |
| Tetrachloroethene | ND | | 5.0 | ug/L | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 5.0 | ug/L | | | | | | |
| 1,2,4-Trichlorobenzene | ND | | 5.0 | ug/L | | | | | | |
| 1,1,1-Trichloroethane | ND | | 5.0 | ug/L | | | | | | |
| 1,1,2-Trichloroethane | ND | | 5.0 | ug/L | | | | | | |
| Trichloroethene | ND | | 5.0 | ug/L | | | | | | |
| Trichlorofluoromethane | ND | | 5.0 | ug/L | | | | | | |
| 1,2,3-Trichloropropane | ND | | 5.0 | ug/L | | | | | | |
| Vinyl acetate | ND | | 5.0 | ug/L | | | | | | |
| Vinyl chloride | ND | | 5.0 | ug/L | | | | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | | 5.0 | ug/L | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | | | *54.9* | *ug/L* | *50.0* | | *110* | *72-130* | | |
| *Surrogate: Toluene-d8* | | | *46.3* | *ug/L* | *50.0* | | *92.6* | *92-111* | | |
| *Surrogate: 4-Bromofluorobenzene* | | | *52.7* | *ug/L* | *50.0* | | *105* | *87-108* | | |

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661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501350 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/20/2025 09:58 |

## Quality Control
**(Continued)**

### Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: 5B00177 - EPA 5030B (Continued)*** | | | | | | | | | | |
| **LCS (5B00177-BS1)** | | | | | Prepared & Analyzed: 1/30/2025 | | | | | |
| Benzene | 44 | | 5.0 | ug/L | 50.0 | | 88.2 | 84-158 | | |
| Chlorobenzene | 40 | | 5.0 | ug/L | 50.0 | | 79.0 | 9.64-172 | | |
| 1,1-Dichloroethene | 41 | JMM-05 | 5.0 | ug/L | 50.0 | | 82.9 | 93-220 | | |
| Toluene | 38 | | 5.0 | ug/L | 50.0 | | 76.8 | 66-147 | | |
| Trichloroethene | 42 | JMM-05 | 5.0 | ug/L | 50.0 | | 84.6 | 86-146 | | |
| *Surrogate: 1,2-Dichloroethane-d4* | | | *47.8* | *ug/L* | *50.0* | | *95.6* | *72-130* | | |
| *Surrogate: Toluene-d8* | | | *50.1* | *ug/L* | *50.0* | | *100* | *92-111* | | |
| *Surrogate: 4-Bromofluorobenzene* | | | *47.4* | *ug/L* | *50.0* | | *94.9* | *87-108* | | |
| **Matrix Spike (5B00177-MS1)** | | **Source: 2501534-01** | | | Prepared & Analyzed: 1/30/2025 | | | | | |
| Benzene | 42 | | 5.0 | ug/L | 50.0 | ND | 84.7 | 77-164 | | |
| Chlorobenzene | 38 | | 5.0 | ug/L | 50.0 | ND | 76.2 | 18-182 | | |
| 1,1-Dichloroethene | 37 | | 5.0 | ug/L | 50.0 | ND | 73.1 | 73-224 | | |
| Toluene | 37 | | 5.0 | ug/L | 50.0 | ND | 73.1 | 64-149 | | |
| Trichloroethene | 41 | | 5.0 | ug/L | 50.0 | ND | 82.0 | 76-159 | | |
| *Surrogate: 1,2-Dichloroethane-d4* | | | *49.9* | *ug/L* | *50.0* | | *99.8* | *72-130* | | |
| *Surrogate: Toluene-d8* | | | *49.7* | *ug/L* | *50.0* | | *99.4* | *92-111* | | |
| *Surrogate: 4-Bromofluorobenzene* | | | *48.1* | *ug/L* | *50.0* | | *96.2* | *87-108* | | |
| **Matrix Spike Dup (5B00177-MSD1)** | | **Source: 2501534-01** | | | Prepared & Analyzed: 1/30/2025 | | | | | |
| Benzene | 44 | | 5.0 | ug/L | 50.0 | ND | 88.0 | 77-164 | 3.82 | 20 |
| Chlorobenzene | 40 | | 5.0 | ug/L | 50.0 | ND | 80.7 | 18-182 | 5.63 | 20 |
| 1,1-Dichloroethene | 41 | | 5.0 | ug/L | 50.0 | ND | 81.2 | 73-224 | 10.5 | 20 |
| Toluene | 39 | | 5.0 | ug/L | 50.0 | ND | 77.2 | 64-149 | 5.40 | 20 |
| Trichloroethene | 43 | | 5.0 | ug/L | 50.0 | ND | 86.2 | 76-159 | 5.04 | 20 |
| *Surrogate: 1,2-Dichloroethane-d4* | | | *50.3* | *ug/L* | *50.0* | | *101* | *72-130* | | |
| *Surrogate: Toluene-d8* | | | *49.5* | *ug/L* | *50.0* | | *99.0* | *92-111* | | |
| *Surrogate: 4-Bromofluorobenzene* | | | *47.8* | *ug/L* | *50.0* | | *95.6* | *87-108* | | |

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661.395.0539

| | | |
|---|---|---|
| Fruit Growers Laboratory, Inc. | Project: Master | |
| 853 Corporation Street | Project Number: SP 2501350 | **Reported:** |
| Santa Paula, CA 93060 | Project Manager: Cindy Aguirre | 02/20/2025 09:58 |

## Notes and Definitions

| Item | Definition |
|---|---|
| JMM-05 | Percent recoveries are out of Zalco acceptance range. However, they are within EPA limits. |
| Dry | Sample results reported on a dry weight basis. |
| ND | Analyte NOT DETECTED at or above the reporting limit. |
| RPD | Relative Percent Difference |
| %REC | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated. |

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February 6, 2025

**Lab No. : SP 2501350**
**Customer No. : 2028560**

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

## Laboratory Report

**Introduction:** This report package contains a total of 8 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (1 page) | : An overview of the work performed at FGL. |
| Sample Results | (2 pages) | : Results for each sample submitted. |
| Quality Control | (5 pages) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab No. | Matrix |
|---|---|---|---|---|
| South Sedimentaion Basin - Sta | 01/28/2025 | 01/28/2025 | SP 2501350-001 | STM |

**Sampling and Receipt Information:**

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

| Test Summary | |
|---|---|
| EPA 624.1 | Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573) |

**Certification:** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: RDM

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2025-02-06



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TEL: (559)734-9473
CA ELAP Certification No. 2810

February 6, 2025

**Chiquita Canyon, LLC**
Chiquita Canyon Landfill
29201 Henry Mayo Dr.
Castaic, CA 91384

Description : South Sedimentaion Basin - Sta
Project : Water Quality

**Lab No. : SP 2501350-001**
**Customer No. : 2028560**

Sampled On : January 28, 2025 at 12:15
Sampled By : Blanca H/Isaac H
Received On : January 28, 2025 at 13:16
Matrix : Stormwater

## Sample Results - Organic

| Constituent | Result | RL | MDL | Units | Dil. | DQF | Sample Preparation | | | Sample Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 624.1** | | | | | | | Date | Time | Who | Method | Date | Time | Who |
| 4-Bromofluorobenzene ‡ | 94.0 | 64-135 | | % | 1 | hl | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Fluorobenzene ‡ | 106 | 56-154 | | % | 1 | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Pentafluorobenzene ‡ | 98.2 | 54-168 | | % | 1 | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Acetone | 14.1 | 25 | 3.6 | ug/L | 1 | J | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Acrolein | ND | 5 | 2.5 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:39 | sbl |
| Acrylonitrile | ND | 2 | 0.70 | ug/L | 1 | Ul | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:39 | sbl |
| Benzene | ND | 0.5 | 0.30 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Bromodichloromethane | ND | 0.5 | 0.28 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Bromoform | ND | 0.5 | 0.35 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Bromomethane | ND | 0.5 | 0.43 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Chloromethane | ND | 0.5 | 0.26 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Halomethanes, sum | ND | 0.5 | | ug/L | | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 2-Butanone (MEK) | 9.89 | 40 | 2.4 | ug/L | 1 | J | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Carbon Disulfide | ND | 10 | 1.1 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Carbon Tetrachloride | ND | 0.5 | 0.24 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Chlorobenzene | ND | 0.5 | 0.14 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Chloroethane | ND | 0.5 | 0.20 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 2-Chloroethylvinyl ether | ND | 1 | 0.29 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:39 | sbl |
| Chloroform | ND | 0.5 | 0.19 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Dibromochloromethane | ND | 0.5 | 0.43 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.10 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.10 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Dichlorobenzenes, sum | ND | 0.5 | | ug/L | | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.12 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 1,1-Dichloroethane | ND | 0.5 | 0.20 | ug/L | 1 | Ul | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 1,2-Dichloroethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 1,1-Dichloroethylene | ND | 0.5 | 0.40 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.20 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 1,2-Dichloropropane | ND | 0.5 | 0.40 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.17 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.43 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 1,3-Dichloropropene (Total) | ND | 0.5 | | ug/L | | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Ethyl Benzene | ND | 0.5 | 0.17 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 2-Hexanone | ND | 30 | 4.9 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |



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| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone (MIBK) | ND | 30 | 1.3 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Methylene Chloride | ND | 0.5 | 0.16 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Methyl tert-Butyl Ether (MTBE) | ND | 5 | 0.32 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Styrene | ND | 0.5 | 0.18 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.25 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Tetrachloroethylene | ND | 0.5 | 0.45 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Toluene | ND | 0.5 | 0.41 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.19 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.26 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Trichloroethylene | ND | 0.5 | 0.15 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Trichlorofluoromethane | ND | 1 | 0.26 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Vinyl Acetate | ND | 10 | 5.9 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Vinyl Chloride | ND | 0.5 | 0.13 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Xylenes m,p | ND | 1 | 0.41 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Xylenes o | ND | 0.5 | 0.12 | ug/L | 1 | U | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |
| Xylenes | ND | 1 | | ug/L | | | 02/04/2025 | 17:45 | sbl | EPA 624.1 | 02/05/2025 | 00:11 | sbl |

DQF Flags Definition:
- h The MS/MSD did not meet QC criteria.
- l The MS/MSD did not meet QC criteria.
- J Reported value is estimated; detected at a concentration below the RL and above the laboratory MDL.
- U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level ‡ Surrogate.


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February 6, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501350
Customer No. : 2028560

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,1,1-Trichloroethane(TCA) | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 106% | 70-130 | |
| | | | MS | ug/L | 10.00 | 109% | 52-162 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 105% | 52-162 | |
| | | | MSRPD | ug/L | | 2.9% | ≤36 | |
| 1,1,2,2-Tetrachloroethane | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 97.9% | 60-140 | |
| | | | MS | ug/L | 10.00 | 93.7% | 46-157 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 97.6% | 46-157 | |
| | | | MSRPD | ug/L | | 4.1% | ≤61 | |
| 1,1,2-Trichloroethane | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 107% | 70-130 | |
| | | | MS | ug/L | 10.00 | 95.1% | 52-150 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 110% | 52-150 | |
| | | | MSRPD | ug/L | | 14.6% | ≤45 | |
| 1,1-Dichloroethane | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 92.6% | 70-130 | |
| | | | MS | ug/L | 10.00 | 117% | 59-155 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 37.7% | 59-155 | 435 |
| | | | MSRPD | ug/L | | 102.6% | ≤40 | 435 |
| 1,1-Dichloroethylene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 130% | 50-150 | |
| | | | MS | ug/L | 10.00 | 140% | 5-234 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 116% | 5-234 | |
| | | | MSRPD | ug/L | | 18.8% | ≤32 | |
| 1,2-Dichlorobenzene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 80.2% | 65-135 | |
| | | | MS | ug/L | 10.00 | 64.3% | 18-190 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 86.5% | 18-190 | |
| | | | MSRPD | ug/L | | 29.5% | ≤57 | |
| 1,2-Dichloroethane (EDC) | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 96.3% | 70-130 | |
| | | | MS | ug/L | 10.00 | 93.0% | 49-155 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 114% | 49-155 | |
| | | | MSRPD | ug/L | | 20.0% | ≤49 | |
| 1,2-Dichloropropane | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 116% | 35-165 | |
| | | | MS | ug/L | 10.00 | 111% | 5-210 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 117% | 5-210 | |
| | | | MSRPD | ug/L | | 6.0% | ≤55 | |
| 1,3-Dichlorobenzene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 95.7% | 70-130 | |
| | | | MS | ug/L | 10.00 | 73.0% | 59-156 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 79.9% | 59-156 | |
| | | | MSRPD | ug/L | | 9.0% | ≤43 | |
| 1,4-Dichlorobenzene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |



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CA ELAP Certification No. 2810

February 6, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501350
Customer No. : 2028560

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | LCS | ug/L | 10.00 | 89.5% | 65-135 | |
| | | | MS | ug/L | 10.00 | 76.1% | 18-190 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 79.5% | 18-190 | |
| | | | MSRPD | ug/L | | 4.4% | ≤57 | |
| 2-Butanone (MEK) | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <40 | |
| | | | LCS | ug/L | 100.0 | 86.0% | 52-147 | |
| | | | MS | ug/L | 100.0 | 92.1% | 8-193 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 116% | 8-193 | |
| | | | MSRPD | ug/L | | 22.7% | ≤26 | |
| 2-Chloroethylvinyl ether | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 100.0 | 87.9% | 1-225 | |
| | | | MS | ug/L | 100.0 | 68.4% | 1-305 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 59.4% | 1-305 | |
| | | | MSRPD | ug/L | | 14.0% | ≤71 | |
| 2-Hexanone | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <30 | |
| | | | LCS | ug/L | 100.0 | 94.2% | 28-254 | |
| | | | MS | ug/L | 100.0 | 85.7% | 0-348 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 109% | 0-348 | |
| | | | MSRPD | ug/L | | 23.9% | ≤29 | |
| 4-Bromofluorobenzene (BFB) | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | 10.00 | 102% | 64-135 | |
| | | | LCS | ug/L | 10.00 | 110% | 64-135 | |
| | | | MS | ug/L | 10.00 | 118% | 86-116 | 435 |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 85.4% | 86-116 | 435 |
| | | | MSRPD | ug/L | | 31.7% | ≤12 | 435 |
| 4-Methyl-2-pentanone (MIBK) | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <30 | |
| | | | LCS | ug/L | 100.0 | 89.3% | 30-235 | |
| | | | MS | ug/L | 100.0 | 116% | 0-316 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 104% | 0-316 | |
| | | | MSRPD | ug/L | | 10.6% | ≤24 | |
| Acetone | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <25 | |
| | | | LCS | ug/L | 100.0 | 82.7% | 51-122 | |
| | | | MS | ug/L | 100.0 | 77.4% | 4-162 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 37.2% | 4-162 | |
| | | | MSRPD | ug/L | | 70.2% | ≤41 | 435 |
| Acrolein | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 400.0 | 124% | 60-140 | |
| | | | MS | ug/L | 200.0 | 73.1% | 40-160 | |
| | | (SP 2501685-001) | MSD | ug/L | 200.0 | 92.6% | 40-160 | |
| | | | MSRPD | ug/L | | 23.5% | ≤60 | |
| Acrylonitrile | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 400.0 | 111% | 60-140 | |
| | | | MS | ug/L | 200.0 | 71.0% | 40-160 | |
| | | (SP 2501685-001) | MSD | ug/L | 200.0 | 37.6% | 40-160 | 435 |
| | | | MSRPD | ug/L | | 61.6% | ≤60 | 435 |
| Benzene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 97.2% | 65-135 | |
| | | | MS | ug/L | 10.00 | 97.8% | 37-151 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 96.9% | 37-151 | |
| | | | MSRPD | ug/L | | 1.0% | ≤61 | |
| Bromodichloromethane | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 115% | 65-135 | |


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February 6, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501350
Customer No. : 2028560

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | MS | ug/L | 10.00 | 106% | 35-155 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 117% | 35-155 | |
| | | | MSRPD | ug/L | | 7.5% | ≤56 | |
| Bromoform | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 100% | 70-130 | |
| | | | MS | ug/L | 10.00 | 65.8% | 45-169 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 79.8% | 45-169 | |
| | | | MSRPD | ug/L | | 8.9% | ≤52 | |
| Bromomethane (Methyl Bromide) | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 133% | 15-185 | |
| | | | MS | ug/L | 10.00 | 144% | 5-242 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 116% | 5-242 | |
| | | | MSRPD | ug/L | | 21.9% | ≤61 | |
| Carbon Disulfide | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 100.0 | 86.2% | 18-120 | |
| | | | MS | ug/L | 100.0 | 42.4% | 10-135 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 41.4% | 10-135 | |
| | | | MSRPD | ug/L | | 2.3% | ≤38 | |
| Carbon Tetrachloride | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 109% | 70-130 | |
| | | | MS | ug/L | 10.00 | 122% | 70-140 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 111% | 70-140 | |
| | | | MSRPD | ug/L | | 9.6% | ≤41 | |
| Chlorobenzene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 125% | 65-135 | |
| | | | MS | ug/L | 10.00 | 116% | 37-160 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 109% | 37-160 | |
| | | | MSRPD | ug/L | | 6.0% | ≤53 | |
| Chloroethane (Ethyl Chloride) | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 151% | 40-160 | |
| | | | MS | ug/L | 10.00 | 136% | 14-230 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 96.5% | 14-230 | |
| | | | MSRPD | ug/L | | 34.0% | ≤78 | |
| Chloroform | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 106% | 70-135 | |
| | | | MS | ug/L | 10.00 | 104% | 5-273 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 107% | 5-273 | |
| | | | MSRPD | ug/L | | 2.5% | ≤54 | |
| Chloromethane(Methyl Chloride) | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 96.5% | 5-205 | |
| | | | MS | ug/L | 10.00 | 95.5% | 5-273 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 75.2% | 5-273 | |
| | | | MSRPD | ug/L | | 23.7% | ≤60 | |
| cis-1,3-Dichloropropene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 114% | 25-175 | |
| | | | MS | ug/L | 10.00 | 127% | 5-227 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 119% | 5-227 | |
| | | | MSRPD | ug/L | | 6.1% | ≤58 | |
| Dibromochloromethane | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 128% | 70-135 | |
| | | | MS | ug/L | 10.00 | 102% | 53-149 | |


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February 6, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501350
Customer No. : 2028560

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 81.8% | 53-149 | |
| | | | MSRPD | ug/L | | 9.8% | ≤50 | |
| Ethylbenzene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 111% | 60-140 | |
| | | | MS | ug/L | 10.00 | 85.3% | 37-162 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 100% | 37-162 | |
| | | | MSRPD | ug/L | | 15.9% | ≤63 | |
| Fluorobenzene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | 10.00 | 101% | 56-154 | |
| | | | LCS | ug/L | 10.00 | 107% | 56-154 | |
| | | | MS | ug/L | 10.00 | 115% | 83-119 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 118% | 83-119 | |
| | | | MSRPD | ug/L | | 2.6% | ≤15 | |
| Methyl tert-Butyl Ether (MTBE) | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 10.00 | 89.2% | 89-136 | |
| | | | MS | ug/L | 10.00 | 93.3% | 45-174 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 52.8% | 45-174 | |
| | | | MSRPD | ug/L | | 55.4% | ≤2 | 435 |
| Methylene Chloride | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 128% | 60-140 | |
| | | | MS | ug/L | 10.00 | 51.7% | 5-221 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 54.7% | 5-221 | |
| | | | MSRPD | ug/L | | 5.2% | ≤28 | |
| Pentafluorobenzene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | 10.00 | 91.6% | 54-168 | |
| | | | LCS | ug/L | 10.00 | 104% | 54-168 | |
| | | | MS | ug/L | 10.00 | 97.3% | 79-136 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 99.9% | 79-136 | |
| | | | MSRPD | ug/L | | 2.7% | ≤3 | |
| Styrene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 110% | 74-122 | |
| | | | MS | ug/L | 10.00 | 97.1% | 0-186 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 90.8% | 0-186 | |
| | | | MSRPD | ug/L | | 6.6% | ≤20 | |
| Tetrachloroethylene (PCE) | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 117% | 70-130 | |
| | | | MS | ug/L | 10.00 | 119% | 64-148 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 115% | 64-148 | |
| | | | MSRPD | ug/L | | 3.8% | ≤39 | |
| Toluene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 114% | 70-130 | |
| | | | MS | ug/L | 10.00 | 141% | 47-150 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 109% | 47-150 | |
| | | | MSRPD | ug/L | | 25.4% | ≤41 | |
| trans-1,2-Dichloroethylene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 110% | 70-130 | |
| | | | MS | ug/L | 10.00 | 121% | 54-156 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 72.3% | 54-156 | |
| | | | MSRPD | ug/L | | 50.3% | ≤45 | 435 |
| trans-1,3-Dichloropropene | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 114% | 50-150 | |
| | | | MS | ug/L | 10.00 | 122% | 17-183 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 108% | 17-183 | |


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February 6, 2025
**Chiquita Canyon Landfill**

Lab No. : SP 2501350
Customer No. : 2028560

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| | | | MSRPD | ug/L | | 11.9% | ≤86 | |
| Trichloroethylene (TCE) | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 104% | 65-135 | |
| | | | MS | ug/L | 10.00 | 117% | 70-157 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 121% | 70-157 | |
| | | | MSRPD | ug/L | | 3.2% | ≤48 | |
| Trichlorofluoromethane F-11 | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 121% | 50-150 | |
| | | | MS | ug/L | 10.00 | 144% | 17-181 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 108% | 17-181 | |
| | | | MSRPD | ug/L | | 28.0% | ≤84 | |
| Vinyl Acetate | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 100.0 | 85.2% | 52-178 | |
| | | | MS | ug/L | 100.0 | 89.3% | 0-243 | |
| | | (SP 2501685-001) | MSD | ug/L | 100.0 | 39.3% | 0-243 | |
| | | | MSRPD | ug/L | | 77.8% | ≤116 | |
| Vinyl Chloride | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 105% | 5-195 | |
| | | | MS | ug/L | 10.00 | 112% | 5-251 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 117% | 5-251 | |
| | | | MSRPD | ug/L | | 4.4% | ≤66 | |
| Xylenes m,p | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 112% | 72-120 | |
| | | | MS | ug/L | 20.00 | 83.3% | 35-157 | |
| | | (SP 2501685-001) | MSD | ug/L | 20.00 | 99.7% | 35-157 | |
| | | | MSRPD | ug/L | | 17.9% | ≤16 | 435 |
| Xylenes o | 624.1 | 02/04/2025:201276SBL | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 10.00 | 113% | 72-119 | |
| | | | MS | ug/L | 10.00 | 99.1% | 52-143 | |
| | | (SP 2501685-001) | MSD | ug/L | 10.00 | 93.1% | 52-143 | |
| | | | MSRPD | ug/L | | 6.2% | ≤24 | |

**Definition**

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND : Non-detect - Result was below the DQO listed for the analyte.

**Explanation**

435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.


Page 8 of 8

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

www.fglinc.com

# CHAIN OF CUSTODY
AND ANALYSIS REQUEST DOCUMENT

ORIGINAL

## CLIENT DETAILS — SECTION I

Client: Chiquita Landfill
☐ New Customer Customer Number:
Address: 29201 Henry Mayo Dr Castaic
Phone: 425-414-2903 Fax:
E-Mail:
Project name:
Contact person: Blanca Hoffmeier/Matt Brewer
Billing Information (if different from above)
Name:
Address:
Phone: Fax:
E-Mail:
Contact person:
Purchase order/contract/FGL quote number:
Pre Log Required: yes ____ Frequency: Monthly☐ Weekly☐ Quarterly☐ Other☐

## SAMPLING — SECTION II

Sampler (s): Blanca Hoffmeier
Isaac Hoffmeier
Comp Sampler Set up Date: Time:
Time: Mileage:
Shipping Charge: Pickup Charge:

## REPORT INFORMATION — SECTION III

Rush Analysis (surcharge will apply):
☐5 Day ☐4 Day ☐3 Day ☐2 Day ☐24 hour
Rush pre-approved by lab:
Electronic Data Transfer: ☐yes ☐no
If yes, To: State ____ Client ____ Other ____
Lab number: 7501350

## SAMPLE INFORMATION — SECTION IV

| Sample Number | Location/Description | Date Sampled | Time Sampled | Type of Sampling: Composite (C) or Grab (G) | Number of Containers | Type of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metal Tube | (P) Potable (NP) Non-Potable | (SW) Surface Water (MW) Monitoring Well (GW) Ground Water (TB) Travel Blank (AgW) Ag Water (WW) Wastewater (DW) Drinking Water | (S) Soil (SLG) Sludge (SLD) Solid (O) Oil | BacT: (Sys) System (SRC) Source (W) Waste | BacT: Routine (ROUT) Repeat (RPT) Other (OTH) Replace (RPL) | (LT) Leaf Tissue (PET) Petiole Tissue (PRD) Produce | Preservative: (1) NaOH + ZnAc, (2) NaOH, (3) HCL (4) $H_2SO_4$, (5) $HNO_3$, (6) $Na_2S_2O_3$, (7) Other ____ | Analyses Requested | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | South Basin - Phase 1 | 1/28/25 | 12:15 | | | | | Storm | | | | | | | X 624.1 | X EPA 8260 - Sub. |

## REMARKS — SECTION V

## CUSTODY — SECTION VI

Relinquished by and subject to the terms and conditions on the reverse of this document:
Date: 1/28/25 Time: 1316 Relinquished by: Date: Time:
Received by: MC Date: 1/28/25 Time: 1316 Received by: Date: Time:
Relinquished by: Date: Time: Relinquished by: Date: Time:
Received by: Date: Time: Received by: Date: Time:


**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805) 392-2000
FAX: (805) 525-4172

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209) 942-0182
FAX: (209) 942-0423

RUI 16 TH261

**Office & Laboratory**
563 East Lindo Avenue
Chico, CA 95926
TEL: (530) 343-5818
FAX: (530) 343-3807

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805) 783-2940
FAX: (805) 783-2912

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559) 734-9473
FAX: (559) 734-9425

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

# Subcontract to
# Zalco Laboratories, Inc.

## *CHAIN OF CUSTODY*
*AND ANALYSES REQUEST FORM*



**Chain of Custody Information**

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2501350**
Purchase Order:

Sampler(s): Blanca H/Isaac H

Compositor Setup Date: Time:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite (C) Grab(G) | Type of Sample | Potable(P) Non-Potable(NP) Ag Waiver (AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 8260 - Appendix II | ***Report only the compounds on the 40CFR258 Appx II list*** | ***Requires MDL Reporting**** 40ml(AGT) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | South Sedimentaion Basin - Sta | 01/28/2025 | 12:15 | G | STM | | | | | 4 | | | | | | | | | |
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Remarks
Sample 1: MDL Reporting

| Relinquished | Date | Time | Relinquished | Date | Time | Relinquished | Date | Time |
|---|---|---|---|---|---|---|---|---|
| Received By: | Date | Time | Received By: | Date | Time | Received By: | Date | Time |

**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
CA ELAP Certification No. 1573

**Office & Laboratory**
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Chico, CA 95926
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CA ELAP Certification No. 2670

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CA ELAP Certification No. 2775

**Office & Laboratory**
9411 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
CA ELAP Certification No. 2810

# Condition Upon Receipt (Attach to COC) SP 2501350

**Sample Receipt at SP:**

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking number(s) _____
3. Temp IR Gun ID#: **TH261**
4. Were samples received on Ice? **Yes** **No** Temps: **ROI** / **16C** / _____ / _____ / _____ / _____
5. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
6. Do the number of bottles received agree with the COC? **Yes** **No** **N/A**
7. Verify sample date, time, sampler **Yes** **No**
8. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **Yes** **No**

**Sample Verification, Labeling and Distribution:**

1. Were all requested analyses understood and acceptable? **Yes** **No**
2. Did bottle labels correspond with the client's ID's? **Yes** **No**
3. Were all bottles requiring sample preservation properly preserved? **Yes** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **No** **N/A**
5. Were all analyses within holding times at time of receipt? **Yes** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **N/A**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 01/28/2025-17:19:32

**Discrepency Documentation:**

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2028560)
Chiquita Canyon Landfill
**SP 2501350**
MDC-01/28/2025-17:19:32

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 525495
Report Level : II
Report Date : 02/19/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - SW - IGP

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 525495 |
| Project No: | SW - IGP |
| Location: | SW - IGP |
| Date Received: | 02/05/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN-WESTERN INLET | 525495-001 | 02/05/25 09:10 | Water |
| SOUTH BASIN-EASTERN INLET | 525495-002 | 02/05/25 09:30 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 525495<br>Project No: SW - IGP<br>Location: SW - IGP<br>Date Received: 02/05/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/05/25. The samples were received cold and intact.

**Metals (EPA 200.7):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Total Oil & Grease (HEM) (EPA 1664A):**

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

**Total Suspended Solids (TSS) (SM2540D):**

- High RPD was observed for total suspended solids in the SDUP of SOUTH BASIN-WESTERN INLET (lab # 525495-001).
- No other analytical problems were encountered.

**Coliform - 9221 Tests (SM 9221B and SM 9221F):**
No analytical problems were encountered.

SWT Civil & Environmental ENGINEERING

Enthalpy Analytical 525495

# Chain of Custody

Pg 1 of 4

| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |

**Additionally Report To**

stormwater@wasteconnections.com
tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910

Sampler Name: Matt Tyssk, Caleb Hancyk

**Project Information**

Project ID: Chiquita Canyon Landfill - IGP
Project Number:

**TAT**

| Standard | Rush |
|---|---|
| 10 Days ● | ___ Days / Hours ○ |

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Container: Poly | Container: Glass | Container: Sleeve | Container: Other | Preservative: HCl | Preservative: HNO3 | Preservative: H2SO4 | Preservative: Other | Preservative: None | Matrix: Water | Matrix: Soil | Matrix: Other | Total Number of Containers per Sample ID | Analysis Request: TSS (SM 2540-D) | Analysis Request: O&G (EPA 1664A) | Analysis Request: Fe (EPA 200.7) | Analysis Request: Chloride (EPA 300.0) | Analysis Request: Coliform Bacteria, Total (EPA 9221 B, C, or E) | Analysis Request: E coli (SM 9221F) | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH Basin- Western Inlet | 2/5 | 0910 | | X | X | | X | X | X | | X | X | X | | | 6 | X | X | X | X | X | X | Field pH: 7.80 |
| SOUTH Basin- Eastern Inlet | 2/5 | 0930 | | X | X | | X | X | X | | X | X | X | | | 6 | X | X | X | X | X | X | Field pH: 6.66 |
| | | | | | | | | | | | | | | | | | | | | | | | |
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| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| Matt Tyssk | [signature] | 2/5/25 | 1300 |
| [signature] | A. Gutierrez EA-ORA | 2/5/25 | 15:02 |
| | | | |
| | | | |
| | | | |

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: | Mileage: | Misc. Supplies:

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**
Date Received: 2/5/25 WO# 525495 Client: Chiquita - Waste Connection

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☑ No
Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
Shipping Info: Walk-In

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 2/5/25 By (initials) JRQ Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None
☑ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: I CF: _____
Cooler Temp (°C) #1: ____/____ #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☐ **No microbiology samples submitted (skip 3b)**
☑ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☑ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments** ☐ **PM notified**

**Date Logged** 2/5/25 **By (print)** AES **(sign)** _____
**Date Labeled** 2/5/25 **By (print)** EL Orange **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 525495

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525495
Project No: SW - IGP
Location: SW - IGP
Date Received: 02/05/25

**Sample ID:** SOUTH BASIN-WESTERN INLET | **Lab ID:** 525495-001 | **Matrix:** Water | **Collected:** 02/05/25 09:10

| 525495-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | ND | | mg/L | 4.9 | 2.0 | 0.97 | 363196 | 02/16/25 | 02/17/25 | CKN |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **30** | | mg/L | 0.46 | 0.46 | 10 | 362292 | 02/06/25 | 02/12/25 | CAP |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **7.0** | | mg/L | 1.0 | 0.20 | 1 | 362278 | 02/06/25 10:00 | 02/06/25 15:09 | JAA |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 362246 | 02/05/25 16:50 | 02/07/25 16:13 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **290** | | MPN/100ml | 1.8 | | 1 | 362246 | 02/05/25 16:50 | 02/07/25 16:13 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **3,500** | | mg/L | 0.5 | | 1 | 362458 | 02/08/25 | 02/08/25 | DXA |

**Sample ID:** SOUTH BASIN-EASTERN INLET | **Lab ID:** 525495-002 | **Matrix:** Water | **Collected:** 02/05/25 09:30

| 525495-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | **80** | | mg/L | 5.0 | 2.1 | 1 | 363196 | 02/16/25 | 02/17/25 | CKN |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **30** | | mg/L | 0.41 | 0.41 | 10 | 362388 | 02/07/25 | 02/07/25 | CAP |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **110** | | mg/L | 1.0 | 0.27 | 1 | 362453 | 02/07/25 19:55 | 02/08/25 06:48 | JAA |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 362246 | 02/05/25 16:50 | 02/07/25 16:13 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **>1,600** | | MPN/100ml | 1.8 | | 1 | 362246 | 02/05/25 16:50 | 02/07/25 16:13 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **19,000** | | mg/L | 0.5 | | 1 | 362541 | 02/10/25 | 02/10/25 | DXA |



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 525495

> Value exceeds indicated concentration
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1229889 | Batch: 363196 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1229889 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Oil and Grease | ND | | mg/L | 5.0 | 2.1 | 02/16/25 | 02/17/25 |

| Type: Lab Control Sample | Lab ID: QC1229890 | Batch: 363196 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1229890 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Oil and Grease | 36.30 | 40.00 | mg/L | 91% | | 78-114 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1229891 | Batch: 363196 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1229891 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Oil and Grease | 36.70 | 40.00 | mg/L | 92% | | 78-114 | 1 | 18 |

| Type: Blank | Lab ID: QC1226658 | Batch: 362292 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1226658 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Iron | ND | | mg/L | 0.041 | 0.041 | 02/06/25 | 02/06/25 |

| Type: Lab Control Sample | Lab ID: QC1226659 | Batch: 362292 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1226659 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Iron | 0.3810 | 0.4000 | mg/L | 95% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1226660 | Batch: 362292 |
|---|---|---|
| Matrix (Source ID): Water (525378-010) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1226660 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 89.52 | 90.36 | 0.4000 | mg/L | -210% | E,NM | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1226661 | Batch: 362292 |
|---|---|---|
| Matrix (Source ID): Water (525378-010) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1226661 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 89.16 | 90.36 | 0.4000 | mg/L | -299% | E,NM | 75-125 | | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1226662 | Batch: | 362292 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525378-012) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1226662 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 97.79 | 96.58 | 0.4000 | mg/L | 303% | E,NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1226663 | Batch: | 362292 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525378-012) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1226663 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 97.34 | 96.58 | 0.4000 | mg/L | 190% | E,NM | 75-125 | | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1226870 | Batch: | 362292 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525378-010) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1226870 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Iron | 100.0 | 97.56 | mg/L | | | | 50 |

| Type: | Blank | Lab ID: | QC1227002 | Batch: | 362388 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1227002 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Iron | ND | | mg/L | 0.041 | 0.041 | 02/07/25 | 02/07/25 |

| Type: | Lab Control Sample | Lab ID: | QC1227003 | Batch: | 362388 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1227003 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Iron | 0.3781 | 0.4000 | mg/L | 95% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1227004 | Batch: | 362388 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525488-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1227004 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 3.341 | 2.993 | 0.4000 | mg/L | 87% | NM | 75-125 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1227005 | Batch: | 362388 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525488-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1227005 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 3.381 | 2.993 | 0.4000 | mg/L | 97% | NM | 75-125 | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1226672 | Batch: | 362278 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1226672 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.20 | 02/06/25 10:00 | 02/06/25 14:28 |

| Type: | Matrix Spike | Lab ID: | QC1226673 | Batch: | 362278 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525495-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1226673 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 110.9 | 7.009 | 100.0 | mg/L | 104% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1226674 | Batch: | 362278 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525495-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1226674 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 107.6 | 7.009 | 100.0 | mg/L | 101% | | 80-120 | 3 | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1226675 | Batch: | 362278 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1226675 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 47.59 | 50.00 | mg/L | 95% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1226756 | Batch: | 362278 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525516-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1226756 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 105.7 | 5.247 | 100.0 | mg/L | 100% | | 80-120 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1226757 | Batch: | 362278 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525516-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1226757 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 106.2 | 5.247 | 100.0 | mg/L | 101% | | 80-120 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1227223 | Batch: | 362453 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1227223 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 02/07/25 19:55 | 02/08/25 03:40 |

| Type: | Lab Control Sample | Lab ID: | QC1227224 | Batch: | 362453 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1227224 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 47.90 | 50.00 | mg/L | 96% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1227225 | Batch: | 362453 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525656-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1227225 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 107.4 | 8.612 | 100.0 | mg/L | 99% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1227226 | Batch: | 362453 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525656-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1227226 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 107.7 | 8.612 | 100.0 | mg/L | 99% | | 80-120 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1227255 | Batch: | 362458 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540D | Prep Method: | METHOD |

| QC1227255 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | mg/L | 0.5 | | 02/08/25 | 02/08/25 |

| Type: | Lab Control Sample | Lab ID: | QC1227256 | Batch: | 362458 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540D | Prep Method: | METHOD |

| QC1227256 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Suspended Solids | 100.2 | 100.0 | mg/L | 100% | | 90-110 |

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# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1227257 | Batch: | 362458 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540D | Prep Method: | METHOD |

| QC1227257 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 104.8 | 100.0 | mg/L | 105% | | 90-110 | 4 | 5 |

| Type: | Sample Duplicate | Lab ID: | QC1227258 | Batch: | 362458 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525495-001) | Method: | SM2540D | Prep Method: | METHOD |

| QC1227258 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 3,694 | 3456 | mg/L | | 7* | 5 | 1 |

| Type: | Sample Duplicate | Lab ID: | QC1227259 | Batch: | 362458 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525615-001) | Method: | SM2540D | Prep Method: | METHOD |

| QC1227259 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 207.6 | 213.9 | mg/L | | 3 | 5 | 1 |

| Type: | Blank | Lab ID: | QC1227595 | Batch: | 362541 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540D | Prep Method: | METHOD |

| QC1227595 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | mg/L | 0.5 | | 02/10/25 | 02/10/25 |

| Type: | Lab Control Sample | Lab ID: | QC1227596 | Batch: | 362541 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540D | Prep Method: | METHOD |

| QC1227596 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Suspended Solids | 100.2 | 100.0 | mg/L | 100% | | 90-110 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1227597 | Batch: | 362541 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540D | Prep Method: | METHOD |

| QC1227597 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 99.10 | 100.0 | mg/L | 99% | | 90-110 | 1 | 5 |

| Type: | Sample Duplicate | Lab ID: | QC1227598 | Batch: | 362541 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525193-004) | Method: | SM2540D | Prep Method: | METHOD |

| QC1227598 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 101.2 | 97.62 | mg/L | | 4 | 5 | 1 |

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1227599** | **Batch:** | **362541** |
| **Matrix (Source ID):** | **Water (525698-002)** | **Method:** | **SM2540D** | **Prep Method:** | **METHOD** |

| QC1227599 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 355.6 | 350.9 | mg/L | | 1 | 5 | 1 |

* Value is outside QC limits

E Response exceeds instrument's linear range

ND Not Detected

NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 525497
Report Level : II
Report Date : 02/19/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - SUBCHAPTER N - Stormwater - Subchapter N

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Kate Logan<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 525497<br>SW - SUBCHAPTER N<br>Stormwater - Subchapter N<br>02/05/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN-WESTERN INLET | 525497-001 | 02/05/25 09:10 | Water |
| SOUTH BASIN-EASTERN INLET | 525497-002 | 02/05/25 09:30 | Water |
| TRIP BLANK | 525497-003 | 02/05/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 525497<br>Project No: SW - SUBCHAPTER N<br>Location: Stormwater - Subchapter N<br>Date Received: 02/05/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/05/25. The samples were received cold and intact.

**Semivolatile Organics by GC/MS (EPA 625.1):**

- SOUTH BASIN-EASTERN INLET (lab # 525497-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

**Metals (EPA 200.8):**
No analytical problems were encountered.

**Biochemical Oxygen Demand (SM5210B):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

FGL 525497

# Chain of Custody



| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |
| Additionally Report To | |
| tmb@swteng.com / 909-390-1328 | Sampler Name: Matt Tuggle, Caleb Hercyk |
| aav@swteng.com / 415-717-0910 | |
| stormwater@wasteconnections.com | |

**Project Information**

Project ID: Chiquita Canyon Landfill - Subchapter N

Project Number:

**TAT**

| Standard | Rush |
|---|---|
| 10 Days ● | ___ Days / Hours ○ |

*Excluding parameters sampled as part of IGP analysis

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Container: Poly | Container: Glass | Container: Sleeve | Container: Other | Preservative: HCl | Preservative: HNO3 | Preservative: H2SO4 | Preservative: Other | Preservative: None | Matrix: Water | Matrix: Soil | Matrix: Other | Total Number of Containers per Sample ID | BOD (SM 5210B) | Ammonia (as Nitrogen) (SM 2540-D) | α - Terpineol (USEPA 8270) | Benzoic Acid (USEPA 625) | Naphthalene (USEPA 625) | p-Cresol (USEPA 625) | Phenol (USEPA 625) | Pyridine (USEPA 625) | Arsenic (USEPA 200.8) | Chromium (USEPA 200.7/200.8) | Zinc (USEPA 200.8) | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH Basin- Western Inlet | 2/5 | 0910 | | X | X | | X | X | X | X | X | X | X | | | 5 | X | X | X | X | X | X | X | X | X | X | X | Field pH: 7.80 |
| SOUTH Basin- Eastern Inlet | 2/5 | 0930 | | X | X | | X | X | X | X | X | X | X | | | 5 | X | X | X | X | X | X | X | X | X | X | X | Field pH: 6.66 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| Matt Tuggle | [signature] | 2/5/15 | 1300 |
| [signature] | [signature] LA-ORA | 2/5/15 | 15:07 |
| | | | |
| | | | |
| | | | |

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

| Travel and Site Time: | Mileage: | Misc. Supplies: |
|---|---|---|
| | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 2/5/25 WO# 5254197 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☑ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ☑ Yes ☐ No ☐ On cooler / box ☑ On samples

Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/5/25 By (initials) JRQ Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None

☑ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: _____ CF: _____

Cooler Temp (°C) #1: ____/____ #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | | ✓ | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | | ✓ | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments** ☐ **PM notified**

4.5 1x T3 vial was received, but not listed on COC

4.7: 4 containers received for Samples 1 and 2.

**Date Logged** 2/5/25 **By (print)** AES **(sign)** _____

**Date Labeled** 2/5/25 **By (print)** BT Orange **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 525497

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525497
Project No: SW - SUBCHAPTER N
Location: Stormwater - Subchapter N
Date Received: 02/05/25

**Sample ID:** SOUTH BASIN-WESTERN INLET | **Lab ID:** 525497-001 | **Matrix:** Water | **Collected:** 02/05/25 09:10

| 525497-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Arsenic | **5.0** | | ug/L | 2.0 | 0.21 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Chromium | **6.4** | | ug/L | 5.0 | 0.34 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Zinc | **57** | | ug/L | 10 | 7.6 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.25** | | mg/L | 0.10 | 0.050 | 1 | 363051 | 02/14/25 | 02/17/25 | JAK |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Benzoic acid | **14** | J | ug/L | 48 | 6.0 | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Pyridine | ND | | ug/L | 9.5 | 1.6 | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Phenol | ND | | ug/L | 9.5 | 0.74 | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| 2-Methylphenol | ND | | ug/L | 9.5 | 1.3 | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| 3-,4-Methylphenol | ND | | ug/L | 9.5 | 1.2 | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Naphthalene | ND | | ug/L | 9.5 | 1.1 | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Cresol | ND | | ug/L | 9.5 | | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| TIC:a-Terpineol | ND | | ug/L | | | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 45% | | %REC | 10-140 | | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Phenol-d6 | 31% | | %REC | 10-140 | | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| 2,4,6-Tribromophenol | 60% | | %REC | 12-140 | | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Nitrobenzene-d5 | 58% | | %REC | 10-140 | | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| 2-Fluorobiphenyl | 45% | | %REC | 11-140 | | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Terphenyl-d14 | 53% | | %REC | 20-140 | | 0.95 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **3.7** | BOD5 | mg/L | 3.0 | | 1 | 362238 | 02/05/25 20:49 | 02/10/25 15:05 | ARM |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525497

| Sample ID: | Lab ID: 525497-002 | Collected: 02/05/25 09:30 |
|---|---|---|
| SOUTH BASIN-EASTERN INLET | Matrix: Water | |

| 525497-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Arsenic | **29** | | ug/L | 2.0 | 0.21 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Chromium | **47** | | ug/L | 5.0 | 0.34 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Zinc | **3,000** | | ug/L | 200 | 150 | 20 | 362409 | 02/07/25 | 02/11/25 | KAM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.59** | | mg/L | 0.10 | 0.050 | 1 | 363051 | 02/14/25 | 02/17/25 | JAK |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Benzoic acid | **260** | J | ug/L | 1,000 | 130 | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Pyridine | ND | | ug/L | 200 | 35 | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Phenol | ND | | ug/L | 200 | 15 | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| 2-Methylphenol | ND | | ug/L | 200 | 26 | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| 3-,4-Methylphenol | ND | | ug/L | 200 | 26 | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Naphthalene | ND | | ug/L | 200 | 22 | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Cresol | ND | | ug/L | 200 | | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| TIC:a-Terpineol | ND | | ug/L | | | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 38% | | %REC | 10-140 | | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Phenol-d6 | 39% | | %REC | 10-140 | | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| 2,4,6-Tribromophenol | 54% | | %REC | 12-140 | | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Nitrobenzene-d5 | 43% | | %REC | 10-140 | | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| 2-Fluorobiphenyl | 33% | | %REC | 11-140 | | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Terphenyl-d14 | 42% | | %REC | 20-140 | | 20 | 362383 | 02/07/25 | 02/07/25 | ZFA |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **10** | | mg/L | 3.0 | | 1 | 362238 | 02/05/25 20:49 | 02/10/25 15:05 | ARM |

BOD5 Estimated result, under-depleted, highest volume replicate reported
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1226631 | Batch: 362287 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1226631 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | ug/L | 2.0 | 0.21 | 02/06/25 | 02/06/25 |
| Chromium | ND | | ug/L | 5.0 | 0.34 | 02/06/25 | 02/06/25 |
| Zinc | ND | | ug/L | 10 | 7.6 | 02/06/25 | 02/06/25 |

| Type: Lab Control Sample | Lab ID: QC1226634 | Batch: 362287 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1226634 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Arsenic | 98.36 | 100.0 | ug/L | 98% | | 85-115 |
| Chromium | 105.2 | 100.0 | ug/L | 105% | | 85-115 |
| Zinc | 98.98 | 100.0 | ug/L | 99% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1226637 | Batch: 362287 |
|---|---|---|
| Matrix (Source ID): Water (525265-003) | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1226637 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 96.42 | 1.022 | 100.0 | ug/L | 95% | | 70-130 | 1 |
| Chromium | 111.3 | 7.341 | 100.0 | ug/L | 104% | | 70-130 | 1 |
| Zinc | 141.2 | 45.37 | 100.0 | ug/L | 96% | | 70-130 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1226638 | Batch: 362287 |
|---|---|---|
| Matrix (Source ID): Water (525265-003) | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1226638 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 96.83 | 1.022 | 100.0 | ug/L | 96% | | 70-130 | 0 | 20 | 1 |
| Chromium | 107.7 | 7.341 | 100.0 | ug/L | 100% | | 70-130 | 3 | 20 | 1 |
| Zinc | 145.7 | 45.37 | 100.0 | ug/L | 100% | | 70-130 | 3 | 20 | 1 |

| Type: Blank | Lab ID: QC1227084 | Batch: 362409 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1227084 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | ug/L | 2.0 | 0.21 | 02/07/25 | 02/08/25 |
| Chromium | ND | | ug/L | 5.0 | 0.34 | 02/07/25 | 02/08/25 |
| Zinc | ND | | ug/L | 10 | 7.6 | 02/07/25 | 02/08/25 |

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# Batch QC

| Type: | Lab Control Sample | Lab ID: | QC1227085 | Batch: | 362409 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1227085 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Arsenic | 98.63 | 100.0 | ug/L | 99% | | 85-115 |
| Chromium | 94.84 | 100.0 | ug/L | 95% | | 85-115 |
| Zinc | 101.3 | 100.0 | ug/L | 101% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1227086 | Batch: | 362409 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525585-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1227086 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 97.63 | 4.576 | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Chromium | 102.0 | 9.477 | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Zinc | 545.1 | 384.0 | 100.0 | ug/L | | DO | 70-130 | 100 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1227087 | Batch: | 362409 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525585-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1227087 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 101.0 | 4.576 | 100.0 | ug/L | 96% | | 70-130 | 3 | 20 | 1 |
| Chromium | 104.1 | 9.477 | 100.0 | ug/L | 95% | | 70-130 | 2 | 20 | 1 |
| Zinc | 717.6 | 384.0 | 100.0 | ug/L | | DO | 70-130 | | 20 | 100 |

| Type: | Matrix Spike | Lab ID: | QC1227095 | Batch: | 362409 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525585-004) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1227095 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 99.34 | 0.9660 | 100.0 | ug/L | 98% | | 70-130 | 1 |
| Chromium | 94.23 | 0.8880 | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Zinc | 316.2 | 228.2 | 100.0 | ug/L | 88% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1227096 | Batch: | 362409 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525585-004) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1227096 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 100.8 | 0.9660 | 100.0 | ug/L | 100% | | 70-130 | 1 | 20 | 1 |
| Chromium | 95.53 | 0.8880 | 100.0 | ug/L | 95% | | 70-130 | 1 | 20 | 1 |
| Zinc | 317.2 | 228.2 | 100.0 | ug/L | 89% | | 70-130 | 0 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1229328** | **Batch:** | **363051** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1229328 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9628 | 1.000 | mg/L | 96% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1229329** | **Batch:** | **363051** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1229329 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 02/14/25 | 02/17/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1229423** | **Batch:** | **363051** |
| **Matrix (Source ID):** | **Water (525697-001)** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1229423 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.124 | 0.1766 | 1.000 | mg/L | 95% | | 90-110 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1229424** | **Batch:** | **363051** |
| **Matrix (Source ID):** | **Water (525697-001)** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1229424 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.203 | 0.1766 | 1.000 | mg/L | 103% | | 90-110 | 7 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1229425** | **Batch:** | **363051** |
| **Matrix (Source ID):** | **Water (525697-002)** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1229425 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.145 | 0.1809 | 1.000 | mg/L | 96% | | 90-110 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1229426** | **Batch:** | **363051** |
| **Matrix (Source ID):** | **Water (525697-002)** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1229426 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.217 | 0.1809 | 1.000 | mg/L | 104% | | 90-110 | 6 | 20 | 1 |

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# Batch QC

| Type: Blank | Lab ID: QC1226980 | Batch: 362383 |
|---|---|---|
| Matrix: Water | Method: EPA 625.1 | Prep Method: EPA 3510C |

| QC1226980 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Benzoic acid | ND | | ug/L | 50 | 6.3 | 02/07/25 | 02/07/25 |
| Pyridine | ND | | ug/L | 10 | 1.7 | 02/07/25 | 02/07/25 |
| Phenol | ND | | ug/L | 10 | 0.77 | 02/07/25 | 02/07/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 1.3 | 02/07/25 | 02/07/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 1.3 | 02/07/25 | 02/07/25 |
| Naphthalene | ND | | ug/L | 10 | 1.1 | 02/07/25 | 02/07/25 |
| Cresol | ND | | ug/L | 10 | | 02/07/25 | 02/07/25 |
| TIC:a-Terpineol | ND | | ug/L | | | 02/07/25 | 02/07/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 52% | | %REC | 20-140 | | 02/07/25 | 02/07/25 |
| Phenol-d6 | 34% | | %REC | 20-140 | | 02/07/25 | 02/07/25 |
| 2,4,6-Tribromophenol | 73% | | %REC | 20-140 | | 02/07/25 | 02/07/25 |
| Nitrobenzene-d5 | 81% | | %REC | 20-140 | | 02/07/25 | 02/07/25 |
| 2-Fluorobiphenyl | 75% | | %REC | 20-140 | | 02/07/25 | 02/07/25 |
| Terphenyl-d14 | 80% | | %REC | 20-140 | | 02/07/25 | 02/07/25 |

| Type: Lab Control Sample | Lab ID: QC1226981 | Batch: 362383 |
|---|---|---|
| Matrix: Water | Method: EPA 625.1 | Prep Method: EPA 3510C |

| QC1226981 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 30.70 | 75.00 | ug/L | 41% | | 13-120 |
| 3-,4-Methylphenol | 58.65 | 75.00 | ug/L | 78% | | 29-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 22.42 | 40.00 | ug/L | 56% | | 20-140 |
| Phenol-d6 | 15.03 | 40.00 | ug/L | 38% | | 20-140 |
| 2,4,6-Tribromophenol | 33.40 | 40.00 | ug/L | 83% | | 20-140 |
| Nitrobenzene-d5 | 35.64 | 40.00 | ug/L | 89% | | 20-140 |
| 2-Fluorobiphenyl | 30.09 | 40.00 | ug/L | 75% | | 20-140 |
| Terphenyl-d14 | 30.91 | 40.00 | ug/L | 77% | | 20-140 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1226982 | Batch: 362383 |
|---|---|---|
| Matrix: Water | Method: EPA 625.1 | Prep Method: EPA 3510C |

| QC1226982 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 28.93 | 75.00 | ug/L | 39% | | 13-120 | 6 | 62 |
| 3-,4-Methylphenol | 58.86 | 75.00 | ug/L | 78% | | 29-120 | 0 | 62 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 20.93 | 40.00 | ug/L | 52% | | 20-140 | | |
| Phenol-d6 | 14.18 | 40.00 | ug/L | 35% | | 20-140 | | |
| 2,4,6-Tribromophenol | 32.94 | 40.00 | ug/L | 82% | | 20-140 | | |
| Nitrobenzene-d5 | 36.36 | 40.00 | ug/L | 91% | | 20-140 | | |
| 2-Fluorobiphenyl | 29.47 | 40.00 | ug/L | 74% | | 20-140 | | |
| Terphenyl-d14 | 27.60 | 40.00 | ug/L | 69% | | 20-140 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type: Blank** | **Lab ID: QC1226457** | **Batch: 362238** |
| **Matrix: Water** | **Method: SM5210B** | **Prep Method: METHOD** |

| QC1226457 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | BOD4 | mg/L | 3.0 | | 02/05/25 17:45 | 02/10/25 15:05 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1226458** | **Batch: 362238** |
| **Matrix: Water** | **Method: SM5210B** | **Prep Method: METHOD** |

| QC1226458 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 201.1 | 198.0 | mg/L | 102% | | 84.6-115.4 |

| | | |
|---|---|---|
| **Type: Sample Duplicate** | **Lab ID: QC1226459** | **Batch: 362238** |
| **Matrix (Source ID): Water (525194-003)** | **Method: SM5210B** | **Prep Method: METHOD** |

| QC1226459 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 2,787 | 2231 | mg/L | BOD1 | 22 | 30 | 1 |

BOD1 Estimated result, sample exibits toxicity; lowest volume replicate reported
BOD4 Estimated result, dissolved oxygen loss observed in blank water check
DO Diluted Out
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 525499
Report Level : II
Report Date : 02/19/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - SW - MPARS

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 525499 |
| Project No: | SW - MPARS |
| Location: | SW - MPARS |
| Date Received: | 02/05/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN-WESTERN INLET | 525499-001 | 02/05/25 09:10 | Water |
| SOUTH BASIN-EASTERN INLET | 525499-002 | 02/05/25 09:30 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 525499<br>Project No: SW - MPARS<br>Location: SW - MPARS<br>Date Received: 02/05/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/05/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**

- High recoveries were observed for total organic carbon in the MS/MSD for batch 362507; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

**Metals (EPA 200.7 and EPA 200.8):**

- High recovery was observed for boron in the MSD for batch 362409; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- Magnesium was detected between the MDL and the RL in the method blank for batch 362292; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Conductivity (SM2510B):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**

- High RPD was observed for total dissolved solids in the SDUP for batch 362403; the parent sample was not a project sample.
- No other analytical problems were encountered.

**Chemical Oxygen Demand (SM5220D):**
No analytical problems were encountered.

**Turbidity (SM2130B):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**

McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

FGL 5254499

# Chain of Custody

Pg 3 of 4

| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |
| Additionally Report To: tmb@swteng.com / 909-390-1328; aav@swteng.com / 415-717-0910; stormwater@wasteconnections.com | Sampler Name: Matt Tuggle, Caleb Hevcyk |

**Project Information**
Project ID: Chiquita Canyon Landfill - MPars
Project Number:

**TAT**
Standard: 10 Days ● | Rush: ___ Days / Hours ○

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Container: Poly | Container: Glass | Container: Sleeve | Container: Other | Preservative: HCl | Preservative: HNO3 | Preservative: H2SO4 | Preservative: Other | Preservative: None | Matrix: Water | Matrix: Soil | Matrix: Other | Total Number of Containers per Sample ID | Analysis Request: VOCs 8260B | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Nitrate-N | COD,SO4, TDS, TOC | B, Ca, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon Dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH Basin- Western Inlet | 2/5 | 0910 | X | X | X | | | X | X | X | X | | X | | | 12 | X | X | X | X | X | X | X | X | X |
| SOUTH Basin- Eastern Inlet | 2/5 | 0930 | X | X | X | | | X | X | X | X | | X | | | 12 | X | X | X | X | X | X | X | X | X |

*Excluding parameters sampled as part of IGP & Sub N analysis

**Notes**

| Field pH: | Turbidity: | Temp: | Specific Conductance: |
|---|---|---|---|
| 7.80 | | 16.2°C | |
| 6.66 | | 15.9°C | |

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| Matt Tuggle | | 2/5/23 | 1310 |
| | Courtney EA-024 | 2/5/23 | 1507 |

DDW Write On EDT Transmission ○ Yes ● No
State System Numbe _____
If "Y" please enter the Source Number(s) in the column above
CA Geotracker EDF Re| ○ Yes ● No
Global ID: Sampling Company Log Code:
EDF to (Email Address):
Travel and Site Time: Mileage: Misc. Supplies:

## SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**
Date Received: 2/5/25 WO# 5254991 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☑ No
Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
Shipping Info: Walk-In

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**
Date Opened 2/5/25 By (initials) JRQ Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None
☑ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures) AES 2/5/25
If no cooler: Observed/Adjusted Temp (°C): ____/____ Thermometer/IR Gun: 1 CF: ____
Cooler Temp (°C) #1: ____/____ #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☑ **No microbiology samples submitted (skip 3b)**
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☑ **No air samples submitted (skip 3c)**
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? AES 2/5/25 | ✓ | | |

**Section 5: Explanations / Comments** ☐ **PM notified**

4.13 – No; 2/3 HCl vials exceed headspace for sample 2

**Date Logged** 2/5/25 **By (print)** AES **(sign)**
**Date Labeled** 2/5/25 **By (print)** EA. Orange **(sign)**

## Zach Barker

**From:** Elbie Cannon <ecannon@cteh.com>
**Sent:** Thursday, February 6, 2025 10:37 AM
**To:** Zach Barker; Elbie Cannon; kate.logan@wasteconnections.com
**Subject:** Re: [External] MPars - Turbidity & Conductivity

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Yes. Enthalpy will be conducting the analysis for conductivity and turbidity.

Elbie Cannon
Emergency Response Consultant
CTEH, LLC
Cell: +1-501-269-8844

---

**From:** Zach Barker <Zach.barker@enthalpy.com>
**Date:** Thursday, February 6, 2025 at 12:27
**To:** Elbie Cannon <ecannon@montrose-env.com>, kate.logan@wasteconnections.com <kate.logan@wasteconnections.com>
**Subject:** [External] MPars - Turbidity & Conductivity

Hi Elbie and Kate,

Elbie, as we discussed yesterday, Enthalpy will analyze conductivity and turbidity on the MPars COC as CTEH staff did not have a turbidity and conductivity meter in the field.

Please acknowledge that we will be analyzing these constituents on the MPars report. If you would like those analyses to be canceled, please advise.

Thanks,

**Zach Barker**
Project Manager
Enthalpy Analytical
931 W Barkley Ave. | Orange, CA 92868
Office: +1-714-771-6900 Ext. 10341 | Mobile: +1-445-220-0261
zach.barker@enthalpy.com |enthalpy.com
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ENTHALPY ANALYTICAL

# Analysis Results for 525499

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525499
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 02/05/25

**Sample ID:** SOUTH BASIN-WESTERN INLET | **Lab ID:** 525499-001 | **Matrix:** Water | **Collected:** 02/05/25 09:10

| 525499-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **140** | | mg/L | 0.57 | 0.57 | 1 | 362292 | 02/06/25 | 02/06/25 | CAP |
| Magnesium | **22** | | mg/L | 0.10 | 0.025 | 1 | 362292 | 02/06/25 | 02/06/25 | CAP |
| Potassium | **8.5** | | mg/L | 0.50 | 0.42 | 1 | 362292 | 02/06/25 | 02/06/25 | CAP |
| Sodium | **24** | | mg/L | 0.50 | 0.34 | 1 | 362292 | 02/06/25 | 02/06/25 | CAP |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **240** | | ug/L | 200 | 110 | 20 | 362360 | 02/06/25 | 02/07/25 | KAM |
| Manganese | **2,200** | | ug/L | 200 | 85 | 20 | 362360 | 02/06/25 | 02/11/25 | KAM |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.16** | J | mg/L | 0.20 | 0.040 | 1 | 362278 | 02/06/25 10:00 | 02/06/25 16:58 | JAA |
| Nitrogen, Nitrite | **0.03** | J | mg/L | 0.10 | 0.02 | 1 | 362278 | 02/06/25 10:00 | 02/06/25 16:58 | JAA |
| Bromide | ND | | mg/L | 0.30 | 0.065 | 1 | 362278 | 02/06/25 10:00 | 02/06/25 16:58 | JAA |
| Nitrogen, Nitrate | **0.32** | | mg/L | 0.10 | 0.06 | 1 | 362278 | 02/06/25 10:00 | 02/06/25 16:58 | JAA |
| Sulfate | **42** | | mg/L | 1.0 | 0.34 | 1 | 362278 | 02/06/25 10:00 | 02/06/25 16:58 | JAA |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 2-Butanone | **5.3** | J | ug/L | 100 | 2.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525499

| 525499-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| para-Isopropyl Toluene | **0.4** | J | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 115% | | %REC | 70-130 | | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dichloroethane-d4 | 114% | | %REC | 70-130 | | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Toluene-d8 | 96% | | %REC | 70-130 | | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525499

| 525499-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | **1.8** | | ug/L | 1.0 | 0.95 | 1 | 362328 | 02/06/25 | 02/07/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 106% | | %REC | 80-120 | | 1 | 362328 | 02/06/25 | 02/07/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 362848 | 02/12/25 | 02/12/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **7.0** | | mg/L | 1.0 | 0.24 | 1 | 362507 | 02/09/25 | 02/10/25 | DXA |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **120** | | NTU | 0.10 | 0.009 | 1 | 362334 | 02/06/25 17:31 | 02/06/25 17:31 | ARM |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **65** | | mg/L | 2.4 | | 1 | 362493 | 02/08/25 | 02/08/25 | WWC |
| Alkalinity, Total as CaCO3 | **63** | | mg/L | 2.0 | | 1 | 362493 | 02/08/25 | 02/08/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **230** | | umhos/cm | 1.0 | | 1 | 363313 | 02/17/25 | 02/17/25 | ARM |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **130** | | mg/L | 20 | | 2 | 362403 | 02/07/25 | 02/10/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **29** | | mg/L | 4.0 | 1.6 | 1 | 362676 | 02/11/25 | 02/11/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525499

| Sample ID: | Lab ID: 525499-002 | Collected: 02/05/25 09:30 |
|---|---|---|
| SOUTH BASIN-EASTERN INLET | Matrix: Water | |

| 525499-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **22,000** | | mg/L | 57 | 57 | 100 | 362388 | 02/07/25 | 02/07/25 | CAP |
| Magnesium | **120** | | mg/L | 0.10 | 0.025 | 1 | 362388 | 02/07/25 | 02/07/25 | CAP |
| Potassium | **42** | | mg/L | 0.50 | 0.42 | 1 | 362388 | 02/07/25 | 02/07/25 | CAP |
| Sodium | **220** | | mg/L | 0.50 | 0.34 | 1 | 362388 | 02/07/25 | 02/07/25 | CAP |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **880** | | ug/L | 200 | 110 | 20 | 362409 | 02/07/25 | 02/12/25 | KAM |
| Manganese | **16,000** | | ug/L | 500 | 210 | 50 | 362409 | 02/07/25 | 02/12/25 | KAM |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.32** | | mg/L | 0.20 | 0.040 | 1 | 362278 | 02/06/25 10:00 | 02/06/25 17:39 | JAA |
| Nitrogen, Nitrite | **0.23** | | mg/L | 0.10 | 0.02 | 1 | 362278 | 02/06/25 10:00 | 02/06/25 17:39 | JAA |
| Bromide | **0.34** | | mg/L | 0.30 | 0.065 | 1 | 362278 | 02/06/25 10:00 | 02/06/25 17:39 | JAA |
| Nitrogen, Nitrate | **3.7** | | mg/L | 0.10 | 0.06 | 1 | 362278 | 02/06/25 10:00 | 02/06/25 17:39 | JAA |
| Sulfate | **910** | | mg/L | 10 | 3.4 | 10 | 362278 | 02/06/25 10:00 | 02/06/25 18:41 | JAA |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525499

| 525499-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 113% | | %REC | 70-130 | | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| 1,2-Dichloroethane-d4 | 112% | | %REC | 70-130 | | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 363137 | 02/15/25 | 02/15/25 | LYZ |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 362328 | 02/06/25 | 02/07/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 1 | 362328 | 02/06/25 | 02/07/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 525499

| 525499-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 362848 | 02/12/25 | 02/12/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **18** | | mg/L | 2.0 | 0.49 | 2 | 362507 | 02/09/25 | 02/10/25 | DXA |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **310** | | NTU | 0.10 | 0.009 | 1 | 362334 | 02/06/25 17:31 | 02/06/25 17:31 | ARM |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **130** | | mg/L | 6.0 | | 2.5 | 362493 | 02/08/25 | 02/08/25 | WWC |
| Alkalinity, Total as CaCO3 | **100** | | mg/L | 5.0 | | 2.5 | 362493 | 02/08/25 | 02/08/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **2,210** | | umhos/cm | 1.0 | | 1 | 363313 | 02/17/25 | 02/17/25 | ARM |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,600** | | mg/L | 20 | | 2 | 362403 | 02/07/25 | 02/10/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **110** | | mg/L | 4.0 | 1.6 | 1 | 362676 | 02/11/25 | 02/11/25 | DXA |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1226658 | Batch: 362292 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1226658 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 02/06/25 | 02/06/25 |
| Magnesium | 0.027 | J | mg/L | 0.10 | 0.025 | 02/06/25 | 02/06/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 02/06/25 | 02/06/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 02/06/25 | 02/06/25 |

| Type: Lab Control Sample | Lab ID: QC1226659 | Batch: 362292 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1226659 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 20.79 | 20.40 | mg/L | 102% | | 85-115 |
| Magnesium | 20.71 | 20.40 | mg/L | 102% | | 85-115 |
| Potassium | 23.39 | 24.00 | mg/L | 97% | | 85-115 |
| Sodium | 20.45 | 20.40 | mg/L | 100% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1226660 | Batch: 362292 |
|---|---|---|
| Matrix (Source ID): Water (525378-010) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1226660 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 52.65 | 31.42 | 20.40 | mg/L | 104% | | 75-125 | 1 |
| Magnesium | 25.70 | 4.891 | 20.40 | mg/L | 102% | | 75-125 | 1 |
| Potassium | 78.92 | 53.70 | 24.00 | mg/L | 105% | | 75-125 | 1 |
| Sodium | 706.4 | 694.9 | 20.40 | mg/L | 57% | NM | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1226661 | Batch: 362292 |
|---|---|---|
| Matrix (Source ID): Water (525378-010) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1226661 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 52.14 | 31.42 | 20.40 | mg/L | 102% | | 75-125 | 1 | 20 | 1 |
| Magnesium | 25.34 | 4.891 | 20.40 | mg/L | 100% | | 75-125 | 1 | 20 | 1 |
| Potassium | 78.37 | 53.70 | 24.00 | mg/L | 103% | | 75-125 | 1 | 20 | 1 |
| Sodium | 702.2 | 694.9 | 20.40 | mg/L | 36% | NM | 75-125 | 1 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1226662 | Batch: 362292 |
|---|---|---|
| Matrix (Source ID): Water (525378-012) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1226662 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 85.43 | 65.10 | 20.40 | mg/L | 100% | | 75-125 | 1 |
| Magnesium | 42.96 | 22.49 | 20.40 | mg/L | 100% | | 75-125 | 1 |
| Potassium | 69.43 | 43.49 | 24.00 | mg/L | 108% | | 75-125 | 1 |
| Sodium | 555.1 | 536.2 | 20.40 | mg/L | 92% | NM | 75-125 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1226663 | Batch: | 362292 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525378-012) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1226663 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 85.17 | 65.10 | 20.40 | mg/L | 98% | | 75-125 | 0 | 20 | 1 |
| Magnesium | 42.75 | 22.49 | 20.40 | mg/L | 99% | | 75-125 | 0 | 20 | 1 |
| Potassium | 68.97 | 43.49 | 24.00 | mg/L | 106% | | 75-125 | 1 | 20 | 1 |
| Sodium | 551.1 | 536.2 | 20.40 | mg/L | 73% | NM | 75-125 | 1 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1226870 | Batch: | 362292 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525378-010) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1226870 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Calcium | 28.61 | 31.42 | mg/L | | | | 4 |
| Magnesium | 4.607 | 4.891 | mg/L | | | | 4 |
| Potassium | 46.09 | 53.70 | mg/L | | | | 4 |
| Sodium | 652.2 | 694.9 | mg/L | | | | 4 |

| Type: | Blank | Lab ID: | QC1227002 | Batch: | 362388 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1227002 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 02/07/25 | 02/07/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 02/07/25 | 02/07/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 02/07/25 | 02/07/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 02/07/25 | 02/07/25 |

| Type: | Lab Control Sample | Lab ID: | QC1227003 | Batch: | 362388 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1227003 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 19.32 | 20.40 | mg/L | 95% | | 85-115 |
| Magnesium | 19.05 | 20.40 | mg/L | 93% | | 85-115 |
| Potassium | 22.22 | 24.00 | mg/L | 93% | | 85-115 |
| Sodium | 19.43 | 20.40 | mg/L | 95% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1227004 | Batch: | 362388 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525488-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1227004 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 25.68 | 6.637 | 20.40 | mg/L | 93% | | 75-125 | 1 |
| Magnesium | 21.99 | 3.029 | 20.40 | mg/L | 93% | | 75-125 | 1 |
| Potassium | 25.85 | 3.774 | 24.00 | mg/L | 92% | | 75-125 | 1 |
| Sodium | 23.24 | 4.191 | 20.40 | mg/L | 93% | | 75-125 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1227005 | Batch: | 362388 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525488-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1227005 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 26.11 | 6.637 | 20.40 | mg/L | 95% | | 75-125 | 2 | 20 | 1 |
| Magnesium | 22.36 | 3.029 | 20.40 | mg/L | 95% | | 75-125 | 2 | 20 | 1 |
| Potassium | 26.26 | 3.774 | 24.00 | mg/L | 94% | | 75-125 | 2 | 20 | 1 |
| Sodium | 23.57 | 4.191 | 20.40 | mg/L | 95% | | 75-125 | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1226881 | Batch: | 362360 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1226881 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | ug/L | 10 | 5.6 | 02/06/25 | 02/07/25 |
| Manganese | ND | | ug/L | 10 | 1.7 | 02/06/25 | 02/07/25 |

| Type: | Lab Control Sample | Lab ID: | QC1226882 | Batch: | 362360 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1226882 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 86.95 | 100.0 | ug/L | 87% | | 85-115 |
| Manganese | 105.6 | 100.0 | ug/L | 106% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1226883 | Batch: | 362360 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525559-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1226883 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 707.7 | 619.3 | 100.0 | ug/L | 88% | NM | 70-130 | 20 |
| Manganese | 899.5 | 794.7 | 100.0 | ug/L | 105% | E,NM | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1226884 | Batch: | 362360 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525559-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1226884 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 782.0 | 619.3 | 100.0 | ug/L | 163% | NM | 70-130 | 10 | 20 | 20 |
| Manganese | 877.0 | 794.7 | 100.0 | ug/L | 82% | E,NM | 70-130 | | 20 | 1 |

| Type: | Blank | Lab ID: | QC1227084 | Batch: | 362409 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1227084 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | ug/L | 10 | 5.6 | 02/07/25 | 02/12/25 |
| Manganese | ND | | ug/L | 10 | 1.7 | 02/07/25 | 02/08/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1227085** | **Batch:** | **362409** |
| **Matrix:** | **Water** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1227085 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 93.41 | 100.0 | ug/L | 93% | | 85-115 |
| Manganese | 95.51 | 100.0 | ug/L | 96% | | 85-115 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1227086** | **Batch:** | **362409** |
| **Matrix (Source ID):** | **Water (525585-001)** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1227086 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 325.8 | 233.5 | 100.0 | ug/L | 92% | | 70-130 | 20 |
| Manganese | 342.4 | 255.5 | 100.0 | ug/L | 87% | | 70-130 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1227087** | **Batch:** | **362409** |
| **Matrix (Source ID):** | **Water (525585-001)** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1227087 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 371.0 | 233.5 | 100.0 | ug/L | 137% | * | 70-130 | 13 | 20 | 20 |
| Manganese | 350.5 | 255.5 | 100.0 | ug/L | 95% | | 70-130 | 2 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1227095** | **Batch:** | **362409** |
| **Matrix (Source ID):** | **Water (525585-004)** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1227095 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 91.25 | ND | 100.0 | ug/L | | DO | 70-130 | 20 |
| Manganese | 103.6 | 6.875 | 100.0 | ug/L | 97% | | 70-130 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1227096** | **Batch:** | **362409** |
| **Matrix (Source ID):** | **Water (525585-004)** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1227096 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 120.7 | ND | 100.0 | ug/L | 121% | | 70-130 | | 20 | 20 |
| Manganese | 104.8 | 6.875 | 100.0 | ug/L | 98% | | 70-130 | 1 | 20 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1226672** | **Batch:** | **362278** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1226672 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.040 | 02/06/25 10:00 | 02/06/25 14:28 |
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 02/06/25 10:00 | 02/06/25 14:28 |
| Bromide | ND | | mg/L | 0.30 | 0.065 | 02/06/25 10:00 | 02/06/25 14:28 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.06 | 02/06/25 10:00 | 02/06/25 14:28 |
| Sulfate | ND | | mg/L | 1.0 | 0.34 | 02/06/25 10:00 | 02/06/25 14:28 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1226673** | **Batch:** | **362278** |
| **Matrix (Source ID):** | **Water (525495-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1226673 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.01 | 0.1819 | 20.00 | mg/L | 99% | | 80-120 | 1 |
| Nitrogen, Nitrite | 9.433 | 0.02542 | 9.134 | mg/L | 103% | | 80-120 | 1 |
| Bromide | 15.17 | 0.06927 | 15.00 | mg/L | 101% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.431 | 0.3169 | 9.036 | mg/L | 101% | | 80-120 | 1 |
| Sulfate | 89.55 | 40.92 | 50.00 | mg/L | 97% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1226674** | **Batch:** | **362278** |
| **Matrix (Source ID):** | **Water (525495-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1226674 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.38 | 0.1819 | 20.00 | mg/L | 96% | | 80-120 | 3 | 20 | 1 |
| Nitrogen, Nitrite | 9.087 | 0.02542 | 9.134 | mg/L | 99% | | 80-120 | 4 | 20 | 1 |
| Bromide | 14.67 | 0.06927 | 15.00 | mg/L | 97% | | 80-120 | 3 | 20 | 1 |
| Nitrogen, Nitrate | 9.163 | 0.3169 | 9.036 | mg/L | 98% | | 80-120 | 3 | 20 | 1 |
| Sulfate | 88.08 | 40.92 | 50.00 | mg/L | 94% | | 80-120 | 2 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1226675** | **Batch:** | **362278** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1226675 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.357 | 10.00 | mg/L | 94% | | 90-110 |
| Nitrogen, Nitrite | 4.478 | 4.567 | mg/L | 98% | | 90-110 |
| Bromide | 14.77 | 15.00 | mg/L | 98% | | 90-110 |
| Nitrogen, Nitrate | 4.401 | 4.518 | mg/L | 97% | | 90-110 |
| Sulfate | 24.38 | 25.00 | mg/L | 98% | | 90-110 |

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1226756** | **Batch:** | **362278** |
| **Matrix (Source ID):** | **Water (525516-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1226756 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.64 | 0.3247 | 20.00 | mg/L | 97% | | 80-120 | 1 |
| Nitrogen, Nitrite | 9.171 | 0.1024 | 9.134 | mg/L | 99% | | 80-120 | 1 |
| Bromide | 14.60 | ND | 15.00 | mg/L | 97% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.579 | 0.7576 | 9.036 | mg/L | 98% | | 80-120 | 1 |
| Sulfate | 56.68 | 8.249 | 50.00 | mg/L | 97% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1226757** | **Batch:** | **362278** |
| **Matrix (Source ID):** | **Water (525516-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1226757 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.74 | 0.3247 | 20.00 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrite | 9.207 | 0.1024 | 9.134 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |
| Bromide | 14.67 | ND | 15.00 | mg/L | 98% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 9.624 | 0.7576 | 9.036 | mg/L | 98% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 56.83 | 8.249 | 50.00 | mg/L | 97% | | 80-120 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1229574** | **Batch:** | **363137** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1229574 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 54.63 | 50.00 | ug/L | 109% | | 70-135 |
| MTBE | 54.95 | 50.00 | ug/L | 110% | | 70-130 |
| Benzene | 57.75 | 50.00 | ug/L | 115% | | 70-130 |
| Trichloroethene | 57.39 | 50.00 | ug/L | 115% | | 70-130 |
| Toluene | 55.69 | 50.00 | ug/L | 111% | | 70-130 |
| Chlorobenzene | 56.79 | 50.00 | ug/L | 114% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 53.52 | 50.00 | ug/L | 107% | | 70-130 |
| 1,2-Dichloroethane-d4 | 51.61 | 50.00 | ug/L | 103% | | 70-130 |
| Toluene-d8 | 47.17 | 50.00 | ug/L | 94% | | 70-130 |
| Bromofluorobenzene | 45.62 | 50.00 | ug/L | 91% | | 70-130 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1229575** | **Batch:** | **363137** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1229575 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 47.91 | 50.00 | ug/L | 96% | | 70-135 | 13 | 30 |
| MTBE | 45.20 | 50.00 | ug/L | 90% | | 70-130 | 19 | 30 |
| Benzene | 52.07 | 50.00 | ug/L | 104% | | 70-130 | 10 | 30 |
| Trichloroethene | 54.02 | 50.00 | ug/L | 108% | | 70-130 | 6 | 30 |
| Toluene | 50.82 | 50.00 | ug/L | 102% | | 70-130 | 9 | 30 |
| Chlorobenzene | 51.92 | 50.00 | ug/L | 104% | | 70-130 | 9 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.94 | 50.00 | ug/L | 104% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 53.87 | 50.00 | ug/L | 108% | | 70-130 | | |
| Toluene-d8 | 47.49 | 50.00 | ug/L | 95% | | 70-130 | | |
| Bromofluorobenzene | 47.70 | 50.00 | ug/L | 95% | | 70-130 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1229579** | **Batch:** | **363137** |
| **Matrix (Source ID):** | **Water (526131-007)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1229579 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 21.13 | ND | 20.00 | ug/L | 106% | | 70-130 | 1 |
| MTBE | 19.65 | 0.2022 | 20.00 | ug/L | 97% | | 75-130 | 1 |
| Benzene | 22.42 | ND | 20.00 | ug/L | 112% | | 70-130 | 1 |
| Trichloroethene | 23.69 | ND | 20.00 | ug/L | 118% | | 63-130 | 1 |
| Toluene | 22.16 | ND | 20.00 | ug/L | 111% | | 70-130 | 1 |
| Chlorobenzene | 22.79 | ND | 20.00 | ug/L | 114% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.76 | | 50.00 | ug/L | 108% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 54.77 | | 50.00 | ug/L | 110% | | 70-130 | 1 |
| Toluene-d8 | 47.94 | | 50.00 | ug/L | 96% | | 70-130 | 1 |
| Bromofluorobenzene | 47.48 | | 50.00 | ug/L | 95% | | 70-130 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1229580** | **Batch:** | **363137** |
| **Matrix (Source ID):** | **Water (526131-007)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1229580 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 19.80 | ND | 20.00 | ug/L | 99% | | 70-130 | 6 | 30 | 1 |
| MTBE | 17.76 | 0.2022 | 20.00 | ug/L | 88% | | 75-130 | 10 | 30 | 1 |
| Benzene | 21.75 | ND | 20.00 | ug/L | 109% | | 70-130 | 3 | 30 | 1 |
| Trichloroethene | 22.83 | ND | 20.00 | ug/L | 114% | | 63-130 | 4 | 30 | 1 |
| Toluene | 21.22 | ND | 20.00 | ug/L | 106% | | 70-130 | 4 | 30 | 1 |
| Chlorobenzene | 22.10 | ND | 20.00 | ug/L | 111% | | 70-130 | 3 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 52.56 | | 50.00 | ug/L | 105% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 52.71 | | 50.00 | ug/L | 105% | | 70-130 | | | 1 |
| Toluene-d8 | 48.18 | | 50.00 | ug/L | 96% | | 70-130 | | | 1 |
| Bromofluorobenzene | 47.56 | | 50.00 | ug/L | 95% | | 70-130 | | | 1 |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1229581 | **Batch:** 363137 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1229581 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 02/14/25 | 02/14/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 02/14/25 | 02/14/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 02/14/25 | 02/14/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 02/14/25 | 02/14/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| Acetone | ND | | ug/L | 100 | 44 | 02/14/25 | 02/14/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 02/14/25 | 02/14/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 02/14/25 | 02/14/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 02/14/25 | 02/14/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 02/14/25 | 02/14/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 02/14/25 | 02/14/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 02/14/25 | 02/14/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 02/14/25 | 02/14/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 02/14/25 | 02/14/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 02/14/25 | 02/14/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |

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# Batch QC

| QC1229581 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 02/14/25 | 02/14/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 02/14/25 | 02/14/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 02/14/25 | 02/14/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 02/14/25 | 02/14/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 02/14/25 | 02/14/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/14/25 | 02/14/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 02/14/25 | 02/14/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 02/14/25 | 02/14/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 02/14/25 | 02/14/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 02/14/25 | 02/14/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 02/14/25 | 02/14/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 02/14/25 | 02/14/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 02/14/25 | 02/14/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 02/14/25 | 02/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 02/14/25 | 02/14/25 |
| 1,2-Dichloroethane-d4 | 105% | | %REC | 70-130 | | 02/14/25 | 02/14/25 |
| Toluene-d8 | 98% | | %REC | 70-130 | | 02/14/25 | 02/14/25 |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 02/14/25 | 02/14/25 |

**Type:** Blank **Lab ID:** QC1226760 **Batch:** 362328
**Matrix:** Water **Method:** EPA 8270C-SIM **Prep Method:** EPA 3535

| QC1226760 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 02/06/25 | 02/07/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 02/06/25 | 02/07/25 |

**Type:** Lab Control Sample **Lab ID:** QC1226761 **Batch:** 362328
**Matrix:** Water **Method:** EPA 8270C-SIM **Prep Method:** EPA 3535

| QC1226761 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.231 | 10.00 | ug/L | 92% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.07 | 10.00 | ug/L | 101% | | 80-120 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1226762 | Batch: | 362328 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525346-005) | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1226762 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.615 | ND | 10.00 | ug/L | 96% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.22 | | 10.00 | ug/L | 102% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1226763 | Batch: | 362328 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525346-005) | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1226763 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.094 | ND | 10.00 | ug/L | 91% | | 70-130 | 6 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.01 | | 10.00 | ug/L | 100% | | 80-120 | | | 1 |

| Type: | Blank | Lab ID: | QC1228629 | Batch: | 362848 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1228629 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 02/12/25 | 02/12/25 |

| Type: | Lab Control Sample | Lab ID: | QC1228630 | Batch: | 362848 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1228630 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1228631 | Batch: | 362848 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525143-006) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1228631 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1228632 | Batch: | 362848 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525143-006) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1228632 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

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# Batch QC

**Type: Blank** **Lab ID: QC1227456** **Batch: 362507**
**Matrix: Water** **Method: SM 5310B** **Prep Method: SM 5310B**

| QC1227456 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.24 | 02/09/25 | 02/09/25 |

**Type: Lab Control Sample** **Lab ID: QC1227457** **Batch: 362507**
**Matrix: Water** **Method: SM 5310B** **Prep Method: SM 5310B**

| QC1227457 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 25.13 | 25.00 | mg/L | 101% | | 85-115 |

**Type: Matrix Spike** **Lab ID: QC1227458** **Batch: 362507**
**Matrix (Source ID): Drinking Water (525469-001)** **Method: SM 5310B** **Prep Method: SM 5310B**

| QC1227458 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 45.94 | 12.78 | 25.00 | mg/L | 133% | * | 75-125 | 1 |

**Type: Matrix Spike Duplicate** **Lab ID: QC1227459** **Batch: 362507**
**Matrix (Source ID): Drinking Water (525469-001)** **Method: SM 5310B** **Prep Method: SM 5310B**

| QC1227459 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 45.64 | 12.78 | 25.00 | mg/L | 131% | * | 75-125 | 1 | 25 | 1 |

**Type: Sample Duplicate** **Lab ID: QC1226809** **Batch: 362334**
**Matrix (Source ID): Drinking Water (525461-001)** **Method: SM2130B**

| QC1226809 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Turbidity | 1.480 | 1.400 | NTU | | 6 | 20 | 1 |

**Type: Sample Duplicate** **Lab ID: QC1226810** **Batch: 362334**
**Matrix (Source ID): Drinking Water (525485-001)** **Method: SM2130B**

| QC1226810 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Turbidity | 1.650 | 1.690 | NTU | | 2 | 20 | 1 |

**Type: Blank** **Lab ID: QC1227406** **Batch: 362493**
**Matrix: Drinking Water** **Method: SM2320B** **Prep Method: METHOD**

| QC1227406 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Bicarbonate | ND | | mg/L | 2.0 | | 02/08/25 | 02/08/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 02/08/25 | 02/08/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Lab Control Sample | Lab ID: | QC1227407 | Batch: | 362493 |
|---|---|---|---|---|---|
| Matrix: | Drinking Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1227407 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,031 | 1000 | mg/L | 103% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1227408 | Batch: | 362493 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525483-001) | Method: | SM2320B | Prep Method: | METHOD |

| QC1227408 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Bicarbonate | 291.9 | 291.1 | mg/L | | 0 | 20 | 1 |
| Alkalinity, Total as CaCO3 | 239.2 | 238.6 | mg/L | | 0 | 20 | 1 |

| Type: | Sample Duplicate | Lab ID: | QC1230230 | Batch: | 363313 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525499-001) | Method: | SM2510B | Prep Method: | METHOD |

| QC1230230 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 229.2 | 233.9 | umhos/cm | | 2 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1227066 | Batch: | 362403 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1227066 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 10 | | 02/07/25 | 02/10/25 |

| Type: | Lab Control Sample | Lab ID: | QC1227067 | Batch: | 362403 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1227067 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,012 | 1000 | mg/L | 101% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1227068 | Batch: | 362403 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525458-001) | Method: | SM2540C | Prep Method: | METHOD |

| QC1227068 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 306.0 | 300.0 | mg/L | | 2 | 5 | 2 |

| Type: | Sample Duplicate | Lab ID: | QC1227069 | Batch: | 362403 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525458-011) | Method: | SM2540C | Prep Method: | METHOD |

| QC1227069 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 416.0 | 478.0 | mg/L | | 14* | 5 | 2 |

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# Batch QC

| | | |
|---|---|---|
| **Type: Blank** | **Lab ID: QC1228079** | **Batch: 362676** |
| **Matrix: Water** | **Method: SM5220D** | **Prep Method: METHOD** |

| QC1228079 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 02/11/25 | 02/11/25 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1228080** | **Batch: 362676** |
| **Matrix: Water** | **Method: SM5220D** | **Prep Method: METHOD** |

| QC1228080 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 107.0 | 100.0 | mg/L | 107% | | 90-110 |

| | | |
|---|---|---|
| **Type: Matrix Spike** | **Lab ID: QC1228081** | **Batch: 362676** |
| **Matrix (Source ID): Water (525484-002)** | **Method: SM5220D** | **Prep Method: METHOD** |

| QC1228081 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 194.0 | 79.00 | 100.0 | mg/L | 115% | | 77-120 | 2 |

| | | |
|---|---|---|
| **Type: Matrix Spike Duplicate** | **Lab ID: QC1228082** | **Batch: 362676** |
| **Matrix (Source ID): Water (525484-002)** | **Method: SM5220D** | **Prep Method: METHOD** |

| QC1228082 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 190.0 | 79.00 | 100.0 | mg/L | 111% | | 77-120 | 2 | 20 | 2 |

* Value is outside QC limits
DO Diluted Out
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 525499**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

McCampbell Analytical, Inc.
*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2502601

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-525499

**Project Location:**
**Project Received:** 02/10/2025

Analytical Report reviewed & approved for release on 02/12/2025 by:

Yen Cao
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502601
**Project:** EO-525499

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502601

**Project:** EO-525499

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| b1 | Aqueous sample that contains greater than ~1 vol. % sediment |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502601 |
| **Date Received:** | 02/10/2025 8:02 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 02/11/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-525499 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN-WESTERN INLET | 2502601-001A | Water | 02/05/2025 09:10 | GC26 0211250205.D | 311299 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **230** | 50 | 50 | 1 | 02/11/2025 15:45 |

Analyst(s): JEM  Analytical Comments: b1

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN-EASTERN INLET | 2502601-002A | Water | 02/05/2025 09:30 | GC26 0211250206.D | 311299 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **590** | 50 | 50 | 1 | 02/11/2025 16:00 |

Analyst(s): JEM  Analytical Comments: b1

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502601 |
| **Date Prepared:** | 02/11/2025 | **BatchID:** | 311299 |
| **Date Analyzed:** | 02/11/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-525499 | **Sample ID:** | MB/LCS/LCSD-311299 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 130 | 130 | 187.2 | 70 | 71 | 70-130 | 0.772 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2502601** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-525499

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT:** **2 days;**

*Date Received:* **02/10/2025**
*Date Logged:* **02/10/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2502601-001 | SOUTH BASIN-WESTERN INLET | Water | 2/5/2025 09:10 | ☐ | A | A | | | | | | | | | | |
| 2502601-002 | SOUTH BASIN-EASTERN INLET | Water | 2/5/2025 09:30 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Lilly Ortiz**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-525499
**Comments**

**Work Order:** 2502601
**QC Level:** LEVEL 2
**Date Logged:** 2/10/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH BASIN-WESTERN INLET | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 2/5/2025 9:10 | 2 days | 2/12/2025 | 1%+ | ☐ | ☐ |
| 002A | SOUTH BASIN-EASTERN INLET | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 2/5/2025 9:30 | 2 days | 2/12/2025 | 5%+ | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2502601

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

HOLD TIME RUSH

Enthalpy Order: EO-525499
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN-WESTERN INLET | 05-FEB-2025 09:10 | 525499-001 | 2 | Water | RSK-175 CO2 | |
| SOUTH BASIN-EASTERN INLET | 05-FEB-2025 09:30 | 525499-002 | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Quintana EA-ORA | |
| | Date: 2/6/25 1600 | Date: 2/10/25 0802 |
| | | 2.6 unf 1241 |
| | Date: | Date: |
| | | |
| | Date: | Date: |

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# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-525499

WorkOrder №: 2502601 Matrix: Water
Carrier: Golden State Overnight

Date and Time Received: 2/10/2025 08:02
Date Logged: 2/10/2025
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☐ | No | ☑ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 2.6°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

| | | |
|---|---|---|
| Lab Job Number | : | 525500 |
| Report Level | : | II |
| Report Date | : | 02/26/2025 |
| **Revision** | : | **2 (See narrative)** |

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - SW - APPENDIX II

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 525500 |
| Project No: | SW - APPENDIX II |
| Location: | SW - APPENDIX II |
| Date Received: | 02/05/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN-WESTERN INLET | 525500-001 | 02/05/25 09:10 | Water |
| SOUTH BASIN-EASTERN INLET | 525500-002 | 02/05/25 09:10 | Water |

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# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 525500<br>Project No: SW - APPENDIX II<br>Location: SW - APPENDIX II<br>Date Received: 02/05/25 |

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/05/25. The samples were received cold and intact.
- This report was revised on 02/26/25 to include sub contracted 8290 2,3,7,8-TCDD data.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recovery was observed for 1,1-dichloroethene in the MSD for batch 362375; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits.
- SOUTH BASIN-WESTERN INLET (lab # 525500-001) and SOUTH BASIN-EASTERN INLET (lab # 525500-002) had pH greater than 2.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS (EPA 8270C):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Pesticides (EPA 8081A):**

- High recoveries were observed for a number of analytes in the BS/BSD for batch 362158; the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated samples.
- SOUTH BASIN-WESTERN INLET (lab # 525500-001) and SOUTH BASIN-EASTERN INLET (lab # 525500-002) were diluted due to the color of the sample extracts.
- No other analytical problems were encountered.

**PCBs (EPA 8082):**

- SOUTH BASIN-WESTERN INLET (lab # 525500-001) and SOUTH BASIN-EASTERN INLET (lab # 525500-002) were treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- SOUTH BASIN-EASTERN INLET (lab # 525500-002) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

**Metals (EPA 200.8 and EPA 245.1):**

- Low recoveries were observed for tin in the MS/MSD for batch 362409; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

**Total Phenolics (EPA 420.1):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):**
No analytical problems were encountered.

**Organophosphorus Pesticides (EPA 8141A):**
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

**8151A Chlorinated Herbicides (EPA 8151A):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

**Dioxins & Furans (EPA 8290):**
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

ENGINEERING

FGL 525500

# Chain of Custody

Pg 4 of 4

| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |

Additionally Report To: stormwater@wasteconnections.com; tmb@swteng.com / 909-390-1328; aav@swteng.com / 415-717-0910

Sampler Name: Matt Tuggle, Caleb Hevert

Project Information: Project ID: Chiquita Canyon Landfill - Appendix II Parameters; Project Number:

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Container: Poly | Container: Glass | Container: Sleeve | Container: Other | Preservative: HCl | Preservative: HNO3 | Preservative: H2SO4 | Preservative: Other | Preservative: None | Matrix: Water | Matrix: Soil | Matrix: Other | Total Number of Containers per Sample ID | 8260 Appendix II* | 8270 Appendix II* | 8081-8082* | 8141A* | 8151A* | Metals, Total** | Total Cyanide | Total Phenols, Sulfides | 8290 2378TCDD | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH Basin- Western Inlet | 2/5 | 0910 | X | X | X | | | X | X | X | X | | X | | | 17 | X | X | X | X | X | X | X | X | X | | |
| SOUTH Basin- Eastern Inlet | 2/5 | 0910 | X | X | X | | | X | X | X | X | | X | | | 17 | X | X | X | X | X | X | X | X | X | | |

Notes: Field pH: 7.80; Field pH: 6.66

Special Requirments/Billing Info:

*Report only the compounds on the 40CFR258 Appx II list

** Metals; Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, Sn, V, Zn

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| Matt Tuggle | | 2/5/25 | 1300 |
| | EA-ORA | 2/5/25 | 15:07 |

DDW Write On EDT Transmission? ○ Yes ● No

State System Number:

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: Mileage: Misc. Supplies:

## *Sampling Event Observation Form*

| | |
|---|---|
| Date and Time of Inspection: 2/5/25 0930 | Report Date: 2/5/25 |
| Chiquita Canyon Landfill | |

**Weather**

| | |
|---|---|
| Previous Weather Conditions (last 48 hours): 50°-78° F sunny, rain. | Weather: light rain 58° F |
| Precipitation Total: | |

| Estimate storm beginning: | Estimate storm duration: | Estimate time since last storm: | Rain gauge reading: |
|---|---|---|---|
| 2/4/25 2300 (date and time) | 14 (hours) | 10 days (days or hours) | _____ (inches) |

**Sampling Event Observations**

Observations: If yes identify location and observe drainage area to identify probable cause

| | |
|---|---|
| Odors | Yes ☐ No ☑ |
| Floating solids, not including organics | Yes ☐ No ☑ |
| Visible Oil Sheen | Yes ☐ No ☑ |
| Discoloration (i.e. any color or cloudiness that is not clear) | Yes ☑ No ☐ |

| Exception Documentation (explanation required if inspection could not be conducted): | |
|---|---|
| | |
| **Inspector Information** | |
| Inspector Name: Matt Tuggle | Inspector Title: CTEH Environmental Specialist |
| Signature: | Date: 2/5/25 |

## SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**
Date Received: 2/5/25 WO# 525500 Client: Waste Connections

**Section 2: Shipping / Custody** Are custody seals present? ☐ Yes ☑ No
Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples
Shipping Info: Walk-In

**Section 3a: Condition / Packaging** ☐ Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)
Date Opened 2/5/25 By (initials) JRQ Type of ice used : ☑ Wet ☐ Blue/Gel ☐ None
☑ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)
☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)
If no cooler: Observed/Adjusted Temp (°C): ____ / ____ Thermometer/IR Gun: ____ CF: ____
Cooler Temp (°C) #1: ____/____ #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☑ No microbiology samples submitted (skip 3b)
☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.
☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ☐ No air samples submitted (skip 3c)
☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other ____

| Section 4: Containers / Labels / Samples | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | | | ✓ |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? AES 2/5/25 | ✓ | ✓ | |

**Section 5: Explanations / Comments** ☐ PM notified
4.13
1/3 vials (HCl) received for sample 001 exceed headspace
2/3 HCl vials and 1/2 unpreserved vials received for sample 002 exceed headspace

Date Logged 2/5/25 By (print) AES (sign)
Date Labeled 2/5/25 By (print) EA. Orange (sign)

ENTHALPY ANALYTICAL

# Analysis Results for 525500

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 525500
Project No: SW - APPENDIX II
Location: SW - APPENDIX II
Date Received: 02/05/25

**Sample ID:** SOUTH BASIN-WESTERN INLET | **Lab ID:** 525500-001 | **Matrix:** Water | **Collected:** 02/05/25 09:10

| 525500-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Tin | ND | | ug/L | 5.0 | 0.33 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Antimony | **0.56** | J | ug/L | 2.0 | 0.31 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Arsenic | **6.1** | | ug/L | 2.0 | 0.21 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Barium | **340** | | ug/L | 5.0 | 0.33 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Beryllium | **1.8** | | ug/L | 1.0 | 0.062 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Cadmium | **0.56** | J | ug/L | 1.0 | 0.11 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Chromium | **6.2** | | ug/L | 5.0 | 0.34 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Cobalt | **15** | | ug/L | 1.0 | 0.068 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Copper | **32** | | ug/L | 3.0 | 0.71 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Lead | **21** | | ug/L | 5.0 | 0.16 | 1 | 362287 | 02/06/25 | 02/07/25 | DXC |
| Nickel | **16** | | ug/L | 5.0 | 1.3 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Selenium | **2.9** | | ug/L | 2.0 | 1.6 | 1 | 362287 | 02/06/25 | 02/07/25 | DXC |
| Silver | ND | | ug/L | 5.0 | 0.50 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Thallium | ND | | ug/L | 1.0 | 0.42 | 1 | 362287 | 02/06/25 | 02/07/25 | DXC |
| Vanadium | **57** | | ug/L | 5.0 | 0.26 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Zinc | **72** | | ug/L | 10 | 7.6 | 1 | 362287 | 02/06/25 | 02/06/25 | DXC |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | **0.36** | J | ug/L | 0.40 | 0.032 | 1 | 362378 | 02/07/25 | 02/07/25 | MLL |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | **0.016** | | mg/L | 0.010 | 0.0047 | 1 | 363433 | 02/18/25 | 02/19/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.09 | 0.03 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| beta-BHC | ND | | ug/L | 0.09 | 0.05 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| gamma-BHC | ND | | ug/L | 0.09 | 0.04 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| delta-BHC | ND | | ug/L | 0.09 | 0.04 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Heptachlor | ND | | ug/L | 0.09 | 0.04 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aldrin | ND | | ug/L | 0.09 | 0.06 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Heptachlor epoxide | ND | | ug/L | 0.09 | 0.05 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endosulfan I | ND | | ug/L | 0.09 | 0.05 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Dieldrin | ND | | ug/L | 0.2 | 0.05 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| 4,4'-DDE | ND | | ug/L | 0.2 | 0.06 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endrin | ND | | ug/L | 0.2 | 0.05 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endosulfan II | ND | | ug/L | 0.2 | 0.05 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endosulfan sulfate | ND | | ug/L | 0.2 | 0.06 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| 4,4'-DDD | ND | | ug/L | 0.2 | 0.05 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endrin aldehyde | ND | | ug/L | 0.2 | 0.08 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endrin ketone | ND | | ug/L | 0.2 | 0.07 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525500

| 525500-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | ND | | ug/L | 0.2 | 0.08 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Methoxychlor | ND | | ug/L | 0.2 | 0.1 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Toxaphene | ND | | ug/L | 3.8 | 0.5 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Chlordane (Technical) | ND | | ug/L | 1.9 | 0.3 | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| TCMX | 82% | | %REC | 14-120 | | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Decachlorobiphenyl | 98% | | %REC | 20-120 | | 1.9 | 362158 | 02/06/25 | 02/07/25 | MES |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.47 | 0.35 | 0.94 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1221 | ND | | ug/L | 0.47 | 0.39 | 0.94 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1232 | ND | | ug/L | 0.47 | 0.34 | 0.94 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1242 | ND | | ug/L | 0.47 | 0.33 | 0.94 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1248 | ND | | ug/L | 0.47 | 0.32 | 0.94 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1254 | ND | | ug/L | 0.47 | 0.17 | 0.94 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1260 | ND | | ug/L | 0.47 | 0.42 | 0.94 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1262 | ND | | ug/L | 0.47 | 0.37 | 0.94 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1268 | ND | | ug/L | 0.47 | 0.24 | 0.94 | 362158 | 02/06/25 | 02/07/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 122% | | %REC | 18-126 | | 0.94 | 362158 | 02/06/25 | 02/07/25 | MES |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Chloroprene | ND | | ug/L | 200 | 0.4 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Ethyl methacrylate | ND | | ug/L | 50 | 2.4 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Ethanol | ND | | ug/L | 500 | 93 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 2-Hexanone | ND | | ug/L | 5.0 | 1.5 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Isopropanol (IPA) | ND | | ug/L | 200 | 21 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.9 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Vinyl Acetate | ND | | ug/L | 50 | 2.6 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Acrolein | ND | | ug/L | 200 | 4.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Iodomethane | ND | | ug/L | 5.0 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 2-Butanone | **8.1** | J | ug/L | 10 | 2.0 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525500

| 525500-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.4 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| para-Isopropyl Toluene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| TIC:Acetonitrile | ND | | ug/L | | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |

| Surrogates | Limits |
|---|---|



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525500

| 525500-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 109% | | %REC | 70-130 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dichloroethane-d4 | 95% | | %REC | 70-130 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 0.48 | 0.20 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 0.48 | 0.23 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Naphthalene | ND | | ug/L | 0.48 | 0.20 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 0.48 | 0.21 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Acenaphthene | ND | | ug/L | 0.48 | 0.19 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Fluorene | ND | | ug/L | 0.48 | 0.19 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Phenanthrene | ND | | ug/L | 0.48 | 0.18 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Anthracene | ND | | ug/L | 0.48 | 0.19 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Fluoranthene | ND | | ug/L | 0.48 | 0.18 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Pyrene | ND | | ug/L | 0.48 | 0.19 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 0.48 | 0.14 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Chrysene | ND | | ug/L | 0.48 | 0.16 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 0.48 | 0.15 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 0.48 | 0.18 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 0.48 | 0.17 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.48 | 0.15 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.48 | 0.17 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.48 | 0.17 | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 94% | | %REC | 16-125 | | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| 2-Fluorobiphenyl | 76% | | %REC | 17-120 | | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Terphenyl-d14 | 99% | | %REC | 39-123 | | 0.96 | 362585 | 02/10/25 | 02/11/25 | ZFA |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 9.6 | 2.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Pyridine | ND | | ug/L | 9.6 | 3.7 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| N-Nitrosodimethylamine | ND | | ug/L | 9.6 | 2.6 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Phenol | ND | | ug/L | 9.6 | 3.4 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Aniline | ND | | ug/L | 9.6 | 4.3 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| bis(2-Chloroethyl)ether | ND | | ug/L | 24 | 3.0 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Chlorophenol | ND | | ug/L | 9.6 | 2.7 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 1,3-Dichlorobenzene | ND | | ug/L | 9.6 | 3.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 1,4-Dichlorobenzene | ND | | ug/L | 9.6 | 3.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzyl alcohol | ND | | ug/L | 9.6 | 5.5 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 1,2-Dichlorobenzene | ND | | ug/L | 9.6 | 3.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Methylphenol | ND | | ug/L | 9.6 | 3.1 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 9.6 | 2.7 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 3-,4-Methylphenol | ND | | ug/L | 9.6 | 2.5 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 9.6 | 3.7 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Hexachloroethane | ND | | ug/L | 9.6 | 3.7 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Nitrobenzene | ND | | ug/L | 24 | 6.1 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Isophorone | ND | | ug/L | 9.6 | 1.8 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Nitrophenol | ND | | ug/L | 9.6 | 5.4 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4-Dimethylphenol | ND | | ug/L | 9.6 | 4.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzoic acid | ND | | ug/L | 48 | 18 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525500

| 525500-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| bis(2-Chloroethoxy)methane | ND | | ug/L | 9.6 | 2.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4-Dichlorophenol | ND | | ug/L | 9.6 | 2.6 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 9.6 | 2.5 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Naphthalene | ND | | ug/L | 9.6 | 2.6 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4-Chloroaniline | ND | | ug/L | 9.6 | 2.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Hexachlorobutadiene | ND | | ug/L | 9.6 | 3.8 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4-Chloro-3-methylphenol | ND | | ug/L | 9.6 | 2.6 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 9.6 | 2.3 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Hexachlorocyclopentadiene | ND | | ug/L | 24 | 4.7 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4,6-Trichlorophenol | ND | | ug/L | 9.6 | 2.1 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4,5-Trichlorophenol | ND | | ug/L | 9.6 | 2.6 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Chloronaphthalene | ND | | ug/L | 9.6 | 2.3 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Nitroaniline | ND | | ug/L | 48 | 3.5 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Dimethylphthalate | ND | | ug/L | 9.6 | 3.0 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Acenaphthylene | ND | | ug/L | 9.6 | 2.1 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,6-Dinitrotoluene | ND | | ug/L | 9.6 | 3.5 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 3-Nitroaniline | ND | | ug/L | 9.6 | 1.8 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Acenaphthene | ND | | ug/L | 9.6 | 2.5 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4-Dinitrophenol | ND | | ug/L | 48 | 3.3 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4-Nitrophenol | ND | | ug/L | 9.6 | 1.4 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Dibenzofuran | ND | | ug/L | 9.6 | 2.1 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4-Dinitrotoluene | ND | | ug/L | 9.6 | 3.0 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Diethylphthalate | ND | | ug/L | 9.6 | 2.7 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Fluorene | ND | | ug/L | 9.6 | 2.1 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 9.6 | 2.3 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4-Nitroaniline | ND | | ug/L | 9.6 | 2.7 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 48 | 3.0 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| N-Nitrosodiphenylamine | ND | | ug/L | 9.6 | 3.7 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 9.6 | 2.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4-Bromophenyl-phenylether | ND | | ug/L | 9.6 | 2.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Hexachlorobenzene | ND | | ug/L | 9.6 | 2.3 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Pentachlorophenol | ND | | ug/L | 24 | 2.4 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Phenanthrene | ND | | ug/L | 9.6 | 2.5 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Anthracene | ND | | ug/L | 9.6 | 2.1 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Di-n-butylphthalate | ND | | ug/L | 9.6 | 2.3 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Fluoranthene | ND | | ug/L | 9.6 | 2.5 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzidine | ND | | ug/L | 48 | 15 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Pyrene | ND | | ug/L | 9.6 | 2.3 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Butylbenzylphthalate | ND | | ug/L | 9.6 | 2.5 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 24 | 2.8 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 9.6 | 2.0 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Chrysene | ND | | ug/L | 9.6 | 2.4 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 9.6 | 2.6 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Di-n-octylphthalate | ND | | ug/L | 9.6 | 4.6 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 9.6 | 2.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 9.6 | 2.3 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzo(a)pyrene | ND | | ug/L | 9.6 | 2.1 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 9.6 | 5.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 9.6 | 7.2 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 9.6 | 3.4 | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525500

| 525500-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:Acetophenone | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:Chlorobenzilate | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:Diallate | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:Thionazin | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 50% | | %REC | 10-140 | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Phenol-d6 | 34% | | %REC | 10-140 | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4,6-Tribromophenol | 80% | | %REC | 12-140 | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Nitrobenzene-d5 | 79% | | %REC | 10-140 | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Fluorobiphenyl | 69% | | %REC | 11-140 | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Terphenyl-d14 | 73% | | %REC | 20-140 | | 0.96 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 0.5 | 362419 | 02/07/25 | 02/10/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 362848 | 02/12/25 | 02/12/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525500

| Sample ID: | Lab ID: 525500-002 | Collected: 02/05/25 09:10 |
|---|---|---|
| SOUTH BASIN-EASTERN INLET | Matrix: Water | |

| 525500-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Tin | **0.37** | J | ug/L | 5.0 | 0.33 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Antimony | **1.8** | J | ug/L | 2.0 | 0.31 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Arsenic | **37** | | ug/L | 2.0 | 0.21 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Barium | **740** | | ug/L | 50 | 3.3 | 10 | 362409 | 02/07/25 | 02/11/25 | KAM |
| Beryllium | **15** | | ug/L | 10 | 0.62 | 10 | 362409 | 02/07/25 | 02/11/25 | KAM |
| Cadmium | **21** | | ug/L | 1.0 | 0.11 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Chromium | **44** | | ug/L | 5.0 | 0.34 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Cobalt | **120** | | ug/L | 1.0 | 0.068 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Copper | **330** | | ug/L | 3.0 | 0.71 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Lead | **200** | | ug/L | 5.0 | 0.16 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Nickel | **160** | | ug/L | 5.0 | 1.3 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Selenium | **18** | | ug/L | 2.0 | 1.6 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Silver | ND | | ug/L | 50 | 5.0 | 10 | 362409 | 02/07/25 | 02/11/25 | KAM |
| Thallium | ND | | ug/L | 1.0 | 0.42 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Vanadium | **180** | | ug/L | 5.0 | 0.26 | 1 | 362409 | 02/07/25 | 02/08/25 | KAM |
| Zinc | **4,100** | | ug/L | 100 | 76 | 10 | 362409 | 02/07/25 | 02/11/25 | KAM |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | **4.6** | | ug/L | 0.40 | 0.17 | 1 | 362657 | 02/11/25 | 02/11/25 | KCD |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | **0.019** | | mg/L | 0.010 | 0.0047 | 1 | 363433 | 02/18/25 | 02/19/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 1.3 | 0.5 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| beta-BHC | ND | | ug/L | 1.3 | 0.7 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| gamma-BHC | ND | | ug/L | 1.3 | 0.5 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| delta-BHC | ND | | ug/L | 1.3 | 0.5 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Heptachlor | ND | | ug/L | 1.3 | 0.5 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aldrin | ND | | ug/L | 1.3 | 0.8 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Heptachlor epoxide | ND | | ug/L | 1.3 | 0.6 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endosulfan I | ND | | ug/L | 1.3 | 0.7 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Dieldrin | ND | | ug/L | 2.5 | 0.6 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| 4,4'-DDE | ND | | ug/L | 2.5 | 0.7 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endrin | ND | | ug/L | 2.5 | 0.7 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endosulfan II | ND | | ug/L | 2.5 | 0.7 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endosulfan sulfate | ND | | ug/L | 2.5 | 0.7 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| 4,4'-DDD | ND | | ug/L | 2.5 | 0.6 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endrin aldehyde | ND | | ug/L | 2.5 | 1.0 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Endrin ketone | ND | | ug/L | 2.5 | 0.9 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| 4,4'-DDT | ND | | ug/L | 2.5 | 1.1 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Methoxychlor | ND | | ug/L | 2.5 | 1.3 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Toxaphene | ND | | ug/L | 50 | 7.1 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Chlordane (Technical) | ND | | ug/L | 25 | 3.5 | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525500

| 525500-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TCMX | 88% | | %REC | 14-120 | | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Decachlorobiphenyl | 97% | | %REC | 20-120 | | 25 | 362158 | 02/06/25 | 02/07/25 | MES |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 5.0 | 3.7 | 10 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1221 | ND | | ug/L | 5.0 | 4.1 | 10 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1232 | ND | | ug/L | 5.0 | 3.6 | 10 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1242 | ND | | ug/L | 5.0 | 3.5 | 10 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1248 | ND | | ug/L | 5.0 | 3.4 | 10 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1254 | ND | | ug/L | 5.0 | 1.8 | 10 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1260 | ND | | ug/L | 5.0 | 4.5 | 10 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1262 | ND | | ug/L | 5.0 | 3.9 | 10 | 362158 | 02/06/25 | 02/07/25 | MES |
| Aroclor-1268 | ND | | ug/L | 5.0 | 2.5 | 10 | 362158 | 02/06/25 | 02/07/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 117% | | %REC | 18-126 | | 10 | 362158 | 02/06/25 | 02/07/25 | MES |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Chloroprene | ND | | ug/L | 200 | 0.4 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Ethyl methacrylate | ND | | ug/L | 50 | 2.4 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Ethanol | ND | | ug/L | 500 | 93 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 2-Hexanone | ND | | ug/L | 5.0 | 1.5 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Isopropanol (IPA) | ND | | ug/L | 200 | 21 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.9 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Vinyl Acetate | ND | | ug/L | 50 | 2.6 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Acrolein | ND | | ug/L | 200 | 4.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Iodomethane | ND | | ug/L | 5.0 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 2-Butanone | ND | | ug/L | 10 | 2.0 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525500

| 525500-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.4 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| TIC:Acetonitrile | ND | | ug/L | | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| 1,2-Dichloroethane-d4 | 93% | | %REC | 70-130 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 362375 | 02/07/25 | 02/07/25 | YAH |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525500

| 525500-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 1.0 | 0.42 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 1.0 | 0.48 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Naphthalene | ND | | ug/L | 1.0 | 0.42 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Acenaphthylene | ND | | ug/L | 1.0 | 0.43 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Acenaphthene | ND | | ug/L | 1.0 | 0.39 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Fluorene | ND | | ug/L | 1.0 | 0.40 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Phenanthrene | ND | | ug/L | 1.0 | 0.36 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Anthracene | ND | | ug/L | 1.0 | 0.40 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Fluoranthene | ND | | ug/L | 1.0 | 0.38 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Pyrene | ND | | ug/L | 1.0 | 0.39 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 1.0 | 0.29 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Chrysene | ND | | ug/L | 1.0 | 0.34 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 1.0 | 0.31 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 1.0 | 0.37 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Benzo(a)pyrene | ND | | ug/L | 1.0 | 0.35 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 1.0 | 0.31 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 1.0 | 0.35 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 1.0 | 0.36 | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 99% | | %REC | 16-125 | | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| 2-Fluorobiphenyl | 94% | | %REC | 17-120 | | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Terphenyl-d14 | 104% | | %REC | 39-123 | | 2 | 362585 | 02/10/25 | 02/11/25 | XLY |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 100 | 23 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Pyridine | ND | | ug/L | 100 | 39 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| N-Nitrosodimethylamine | ND | | ug/L | 100 | 28 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Phenol | ND | | ug/L | 100 | 35 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Aniline | ND | | ug/L | 100 | 45 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| bis(2-Chloroethyl)ether | ND | | ug/L | 250 | 31 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Chlorophenol | ND | | ug/L | 100 | 28 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 1,3-Dichlorobenzene | ND | | ug/L | 100 | 33 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 1,4-Dichlorobenzene | ND | | ug/L | 100 | 33 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzyl alcohol | ND | | ug/L | 100 | 58 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 1,2-Dichlorobenzene | ND | | ug/L | 100 | 33 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Methylphenol | ND | | ug/L | 100 | 32 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 100 | 28 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 3-,4-Methylphenol | ND | | ug/L | 100 | 26 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 100 | 39 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Hexachloroethane | ND | | ug/L | 100 | 38 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Nitrobenzene | ND | | ug/L | 250 | 64 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Isophorone | ND | | ug/L | 100 | 19 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Nitrophenol | ND | | ug/L | 100 | 56 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4-Dimethylphenol | ND | | ug/L | 100 | 44 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzoic acid | ND | | ug/L | 500 | 190 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 100 | 23 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4-Dichlorophenol | ND | | ug/L | 100 | 27 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 100 | 26 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Naphthalene | ND | | ug/L | 100 | 27 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525500

| 525500-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Chloroaniline | ND | | ug/L | 100 | 23 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Hexachlorobutadiene | ND | | ug/L | 100 | 40 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4-Chloro-3-methylphenol | ND | | ug/L | 100 | 27 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 100 | 24 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Hexachlorocyclopentadiene | ND | | ug/L | 250 | 49 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4,6-Trichlorophenol | ND | | ug/L | 100 | 22 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4,5-Trichlorophenol | ND | | ug/L | 100 | 27 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Chloronaphthalene | ND | | ug/L | 100 | 24 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Nitroaniline | ND | | ug/L | 500 | 37 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Dimethylphthalate | ND | | ug/L | 100 | 31 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Acenaphthylene | ND | | ug/L | 100 | 22 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,6-Dinitrotoluene | ND | | ug/L | 100 | 37 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 3-Nitroaniline | ND | | ug/L | 100 | 18 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Acenaphthene | ND | | ug/L | 100 | 26 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4-Dinitrophenol | ND | | ug/L | 500 | 35 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4-Nitrophenol | ND | | ug/L | 100 | 15 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Dibenzofuran | ND | | ug/L | 100 | 22 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4-Dinitrotoluene | ND | | ug/L | 100 | 31 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Diethylphthalate | ND | | ug/L | 100 | 28 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Fluorene | ND | | ug/L | 100 | 21 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 100 | 24 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4-Nitroaniline | ND | | ug/L | 100 | 28 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 500 | 32 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| N-Nitrosodiphenylamine | ND | | ug/L | 100 | 39 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 100 | 23 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 4-Bromophenyl-phenylether | ND | | ug/L | 100 | 23 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Hexachlorobenzene | ND | | ug/L | 100 | 24 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Pentachlorophenol | ND | | ug/L | 250 | 26 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Phenanthrene | ND | | ug/L | 100 | 26 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Anthracene | ND | | ug/L | 100 | 21 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Di-n-butylphthalate | ND | | ug/L | 100 | 24 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Fluoranthene | ND | | ug/L | 100 | 26 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzidine | ND | | ug/L | 500 | 160 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Pyrene | ND | | ug/L | 100 | 24 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Butylbenzylphthalate | ND | | ug/L | 100 | 26 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 250 | 29 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 100 | 21 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Chrysene | ND | | ug/L | 100 | 25 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 100 | 28 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Di-n-octylphthalate | ND | | ug/L | 100 | 48 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 100 | 23 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 100 | 24 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzo(a)pyrene | ND | | ug/L | 100 | 22 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 100 | 54 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 100 | 75 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 100 | 35 | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:Acetophenone | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 525500

| 525500-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:Chlorobenzilate | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:Diallate | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:Thionazin | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 52% | | %REC | 10-140 | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Phenol-d6 | 35% | | %REC | 10-140 | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2,4,6-Tribromophenol | 77% | | %REC | 12-140 | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Nitrobenzene-d5 | 76% | | %REC | 10-140 | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| 2-Fluorobiphenyl | 76% | | %REC | 11-140 | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Terphenyl-d14 | 91% | | %REC | 20-140 | | 10 | 362558 | 02/10/25 | 02/10/25 | XLY |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 0.5 | 362419 | 02/07/25 | 02/10/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 362848 | 02/12/25 | 02/12/25 | DXA |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1226631** | **Batch:** | **362287** |
| **Matrix:** | **Water** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1226631 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Tin | ND | | ug/L | 5.0 | 0.33 | 02/06/25 | 02/06/25 |
| Antimony | ND | | ug/L | 2.0 | 0.31 | 02/06/25 | 02/06/25 |
| Arsenic | ND | | ug/L | 2.0 | 0.21 | 02/06/25 | 02/06/25 |
| Barium | ND | | ug/L | 5.0 | 0.33 | 02/06/25 | 02/06/25 |
| Beryllium | ND | | ug/L | 1.0 | 0.062 | 02/06/25 | 02/06/25 |
| Cadmium | ND | | ug/L | 1.0 | 0.11 | 02/06/25 | 02/06/25 |
| Chromium | ND | | ug/L | 5.0 | 0.34 | 02/06/25 | 02/06/25 |
| Cobalt | ND | | ug/L | 1.0 | 0.068 | 02/06/25 | 02/06/25 |
| Copper | ND | | ug/L | 3.0 | 0.71 | 02/06/25 | 02/06/25 |
| Lead | ND | | ug/L | 5.0 | 0.16 | 02/06/25 | 02/06/25 |
| Nickel | ND | | ug/L | 5.0 | 1.3 | 02/06/25 | 02/06/25 |
| Selenium | ND | | ug/L | 2.0 | 1.6 | 02/06/25 | 02/06/25 |
| Silver | ND | | ug/L | 5.0 | 0.50 | 02/06/25 | 02/06/25 |
| Thallium | ND | | ug/L | 1.0 | 0.42 | 02/06/25 | 02/06/25 |
| Vanadium | ND | | ug/L | 5.0 | 0.26 | 02/06/25 | 02/06/25 |
| Zinc | ND | | ug/L | 10 | 7.6 | 02/06/25 | 02/06/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1226634** | **Batch:** | **362287** |
| **Matrix:** | **Water** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1226634 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Tin | 94.69 | 100.0 | ug/L | 95% | | 85-115 |
| Antimony | 102.7 | 100.0 | ug/L | 103% | | 85-115 |
| Arsenic | 98.36 | 100.0 | ug/L | 98% | | 85-115 |
| Barium | 100.4 | 100.0 | ug/L | 100% | | 85-115 |
| Beryllium | 103.0 | 100.0 | ug/L | 103% | | 85-115 |
| Cadmium | 98.14 | 100.0 | ug/L | 98% | | 85-115 |
| Chromium | 105.2 | 100.0 | ug/L | 105% | | 85-115 |
| Cobalt | 112.3 | 100.0 | ug/L | 112% | | 85-115 |
| Copper | 112.1 | 100.0 | ug/L | 112% | | 85-115 |
| Lead | 98.25 | 100.0 | ug/L | 98% | | 85-115 |
| Nickel | 111.1 | 100.0 | ug/L | 111% | | 85-115 |
| Selenium | 94.54 | 100.0 | ug/L | 95% | | 85-115 |
| Silver | 48.36 | 50.00 | ug/L | 97% | | 85-115 |
| Thallium | 101.0 | 100.0 | ug/L | 101% | | 85-115 |
| Vanadium | 105.1 | 100.0 | ug/L | 105% | | 85-115 |
| Zinc | 98.98 | 100.0 | ug/L | 99% | | 85-115 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1226637 | Batch: | 362287 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525265-003) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1226637 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 97.44 | 0.4950 | 100.0 | ug/L | 97% | | 70-130 | 1 |
| Antimony | 101.3 | 0.4420 | 100.0 | ug/L | 101% | | 70-130 | 1 |
| Arsenic | 96.42 | 1.022 | 100.0 | ug/L | 95% | | 70-130 | 1 |
| Barium | 124.4 | 21.15 | 100.0 | ug/L | 103% | | 70-130 | 1 |
| Beryllium | 98.47 | ND | 100.0 | ug/L | 98% | | 70-130 | 1 |
| Cadmium | 99.41 | ND | 100.0 | ug/L | 99% | | 70-130 | 1 |
| Chromium | 111.3 | 7.341 | 100.0 | ug/L | 104% | | 70-130 | 1 |
| Cobalt | 108.3 | 0.5490 | 100.0 | ug/L | 108% | | 70-130 | 1 |
| Copper | 114.1 | 5.460 | 100.0 | ug/L | 109% | | 70-130 | 1 |
| Lead | 98.28 | 0.7130 | 100.0 | ug/L | 98% | | 70-130 | 1 |
| Nickel | 108.9 | 1.662 | 100.0 | ug/L | 107% | | 70-130 | 1 |
| Selenium | 92.63 | ND | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Silver | 48.80 | ND | 50.00 | ug/L | 98% | | 70-130 | 1 |
| Thallium | 102.3 | ND | 100.0 | ug/L | 102% | | 70-130 | 1 |
| Vanadium | 107.2 | 3.782 | 100.0 | ug/L | 103% | | 70-130 | 1 |
| Zinc | 141.2 | 45.37 | 100.0 | ug/L | 96% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1226638 | Batch: | 362287 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525265-003) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1226638 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 100.1 | 0.4950 | 100.0 | ug/L | 100% | | 70-130 | 3 | 20 | 1 |
| Antimony | 106.4 | 0.4420 | 100.0 | ug/L | 106% | | 70-130 | 5 | 20 | 1 |
| Arsenic | 96.83 | 1.022 | 100.0 | ug/L | 96% | | 70-130 | 0 | 20 | 1 |
| Barium | 122.9 | 21.15 | 100.0 | ug/L | 102% | | 70-130 | 1 | 20 | 1 |
| Beryllium | 91.35 | ND | 100.0 | ug/L | 91% | | 70-130 | 8 | 20 | 1 |
| Cadmium | 98.27 | ND | 100.0 | ug/L | 98% | | 70-130 | 1 | 20 | 1 |
| Chromium | 107.7 | 7.341 | 100.0 | ug/L | 100% | | 70-130 | 3 | 20 | 1 |
| Cobalt | 107.3 | 0.5490 | 100.0 | ug/L | 107% | | 70-130 | 1 | 20 | 1 |
| Copper | 112.7 | 5.460 | 100.0 | ug/L | 107% | | 70-130 | 1 | 20 | 1 |
| Lead | 100.1 | 0.7130 | 100.0 | ug/L | 99% | | 70-130 | 2 | 20 | 1 |
| Nickel | 106.6 | 1.662 | 100.0 | ug/L | 105% | | 70-130 | 2 | 20 | 1 |
| Selenium | 92.99 | ND | 100.0 | ug/L | 93% | | 70-130 | 0 | 20 | 1 |
| Silver | 47.92 | ND | 50.00 | ug/L | 96% | | 70-130 | 2 | 20 | 1 |
| Thallium | 100.1 | ND | 100.0 | ug/L | 100% | | 70-130 | 2 | 20 | 1 |
| Vanadium | 104.9 | 3.782 | 100.0 | ug/L | 101% | | 70-130 | 2 | 20 | 1 |
| Zinc | 145.7 | 45.37 | 100.0 | ug/L | 100% | | 70-130 | 3 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type: Blank** | **Lab ID: QC1227084** | **Batch: 362409** |
| **Matrix: Water** | **Method: EPA 200.8** | **Prep Method: EPA 3015A** |

| QC1227084 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Tin | ND | | ug/L | 5.0 | 0.33 | 02/07/25 | 02/08/25 |
| Antimony | ND | | ug/L | 2.0 | 0.31 | 02/07/25 | 02/08/25 |
| Arsenic | ND | | ug/L | 2.0 | 0.21 | 02/07/25 | 02/08/25 |
| Barium | ND | | ug/L | 5.0 | 0.33 | 02/07/25 | 02/08/25 |
| Beryllium | ND | | ug/L | 1.0 | 0.062 | 02/07/25 | 02/11/25 |
| Cadmium | ND | | ug/L | 1.0 | 0.11 | 02/07/25 | 02/08/25 |
| Chromium | ND | | ug/L | 5.0 | 0.34 | 02/07/25 | 02/08/25 |
| Cobalt | ND | | ug/L | 1.0 | 0.068 | 02/07/25 | 02/08/25 |
| Copper | ND | | ug/L | 3.0 | 0.71 | 02/07/25 | 02/08/25 |
| Lead | ND | | ug/L | 5.0 | 0.16 | 02/07/25 | 02/08/25 |
| Nickel | ND | | ug/L | 5.0 | 1.3 | 02/07/25 | 02/08/25 |
| Selenium | ND | | ug/L | 2.0 | 1.6 | 02/07/25 | 02/08/25 |
| Silver | ND | | ug/L | 5.0 | 0.50 | 02/07/25 | 02/11/25 |
| Thallium | ND | | ug/L | 1.0 | 0.42 | 02/07/25 | 02/08/25 |
| Vanadium | ND | | ug/L | 5.0 | 0.26 | 02/07/25 | 02/08/25 |
| Zinc | ND | | ug/L | 10 | 7.6 | 02/07/25 | 02/08/25 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1227085** | **Batch: 362409** |
| **Matrix: Water** | **Method: EPA 200.8** | **Prep Method: EPA 3015A** |

| QC1227085 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Tin | 92.08 | 100.0 | ug/L | 92% | | 85-115 |
| Antimony | 104.2 | 100.0 | ug/L | 104% | | 85-115 |
| Arsenic | 98.63 | 100.0 | ug/L | 99% | | 85-115 |
| Barium | 98.72 | 100.0 | ug/L | 99% | | 85-115 |
| Beryllium | 104.1 | 100.0 | ug/L | 104% | | 85-115 |
| Cadmium | 97.25 | 100.0 | ug/L | 97% | | 85-115 |
| Chromium | 94.84 | 100.0 | ug/L | 95% | | 85-115 |
| Cobalt | 100.8 | 100.0 | ug/L | 101% | | 85-115 |
| Copper | 99.98 | 100.0 | ug/L | 100% | | 85-115 |
| Lead | 97.55 | 100.0 | ug/L | 98% | | 85-115 |
| Nickel | 98.74 | 100.0 | ug/L | 99% | | 85-115 |
| Selenium | 97.78 | 100.0 | ug/L | 98% | | 85-115 |
| Silver | 50.23 | 50.00 | ug/L | 100% | | 85-115 |
| Thallium | 96.89 | 100.0 | ug/L | 97% | | 85-115 |
| Vanadium | 96.06 | 100.0 | ug/L | 96% | | 85-115 |
| Zinc | 101.3 | 100.0 | ug/L | 101% | | 85-115 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1227086 | Batch: | 362409 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525585-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1227086 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 57.99 | 0.6430 | 100.0 | ug/L | 57% | * | 70-130 | 1 |
| Antimony | 97.84 | 1.509 | 100.0 | ug/L | 96% | | 70-130 | 1 |
| Arsenic | 97.63 | 4.576 | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Barium | 243.2 | 144.5 | 100.0 | ug/L | 99% | | 70-130 | 1 |
| Beryllium | 112.2 | ND | 100.0 | ug/L | 112% | | 70-130 | 100 |
| Cadmium | 97.10 | 0.6330 | 100.0 | ug/L | 96% | | 70-130 | 1 |
| Chromium | 102.0 | 9.477 | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Cobalt | 102.7 | 5.568 | 100.0 | ug/L | 97% | | 70-130 | 1 |
| Copper | 127.3 | 35.14 | 100.0 | ug/L | 92% | | 70-130 | 1 |
| Lead | 278.0 | 165.4 | 100.0 | ug/L | 113% | | 70-130 | 1 |
| Nickel | 113.0 | 19.02 | 100.0 | ug/L | 94% | | 70-130 | 1 |
| Selenium | 91.35 | ND | 100.0 | ug/L | 91% | | 70-130 | 1 |
| Silver | 50.90 | ND | 50.00 | ug/L | 102% | | 70-130 | 100 |
| Thallium | 99.91 | ND | 100.0 | ug/L | 100% | | 70-130 | 1 |
| Vanadium | 102.0 | 6.984 | 100.0 | ug/L | 95% | | 70-130 | 1 |
| Zinc | 545.1 | 384.0 | 100.0 | ug/L | | DO | 70-130 | 100 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1227087 | Batch: | 362409 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525585-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1227087 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 60.99 | 0.6430 | 100.0 | ug/L | 60% | * | 70-130 | 5 | 20 | 1 |
| Antimony | 100.7 | 1.509 | 100.0 | ug/L | 99% | | 70-130 | 3 | 20 | 1 |
| Arsenic | 101.0 | 4.576 | 100.0 | ug/L | 96% | | 70-130 | 3 | 20 | 1 |
| Barium | 247.3 | 144.5 | 100.0 | ug/L | 103% | | 70-130 | 2 | 20 | 1 |
| Beryllium | 115.7 | ND | 100.0 | ug/L | 116% | | 70-130 | 3 | 20 | 100 |
| Cadmium | 98.13 | 0.6330 | 100.0 | ug/L | 97% | | 70-130 | 1 | 20 | 1 |
| Chromium | 104.1 | 9.477 | 100.0 | ug/L | 95% | | 70-130 | 2 | 20 | 1 |
| Cobalt | 103.6 | 5.568 | 100.0 | ug/L | 98% | | 70-130 | 1 | 20 | 1 |
| Copper | 130.5 | 35.14 | 100.0 | ug/L | 95% | | 70-130 | 2 | 20 | 1 |
| Lead | 259.4 | 165.4 | 100.0 | ug/L | 94% | | 70-130 | 7 | 20 | 1 |
| Nickel | 114.9 | 19.02 | 100.0 | ug/L | 96% | | 70-130 | 2 | 20 | 1 |
| Selenium | 94.11 | ND | 100.0 | ug/L | 94% | | 70-130 | 3 | 20 | 1 |
| Silver | 52.30 | ND | 50.00 | ug/L | 105% | | 70-130 | 3 | 20 | 100 |
| Thallium | 93.30 | ND | 100.0 | ug/L | 93% | | 70-130 | 7 | 20 | 1 |
| Vanadium | 102.9 | 6.984 | 100.0 | ug/L | 96% | | 70-130 | 1 | 20 | 1 |
| Zinc | 717.6 | 384.0 | 100.0 | ug/L | | DO | 70-130 | | 20 | 100 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1227095 | Batch: | 362409 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525585-004) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1227095 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 94.21 | ND | 100.0 | ug/L | 94% | | 70-130 | 1 |
| Antimony | 146.3 | 45.24 | 100.0 | ug/L | 101% | | 70-130 | 1 |
| Arsenic | 99.34 | 0.9660 | 100.0 | ug/L | 98% | | 70-130 | 1 |
| Barium | 102.0 | 6.401 | 100.0 | ug/L | 96% | | 70-130 | 1 |
| Beryllium | 102.4 | ND | 100.0 | ug/L | 102% | | 70-130 | 1 |
| Cadmium | 97.17 | ND | 100.0 | ug/L | 97% | | 70-130 | 1 |
| Chromium | 94.23 | 0.8880 | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Cobalt | 97.96 | 0.1460 | 100.0 | ug/L | 98% | | 70-130 | 1 |
| Copper | 100.9 | 4.610 | 100.0 | ug/L | 96% | | 70-130 | 1 |
| Lead | 102.4 | 3.254 | 100.0 | ug/L | 99% | | 70-130 | 1 |
| Nickel | 96.87 | ND | 100.0 | ug/L | 97% | | 70-130 | 1 |
| Selenium | 98.50 | ND | 100.0 | ug/L | 99% | | 70-130 | 1 |
| Silver | 45.72 | ND | 50.00 | ug/L | 91% | | 70-130 | 1 |
| Thallium | 98.77 | ND | 100.0 | ug/L | 99% | | 70-130 | 1 |
| Vanadium | 95.68 | 0.6620 | 100.0 | ug/L | 95% | | 70-130 | 1 |
| Zinc | 316.2 | 228.2 | 100.0 | ug/L | 88% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1227096 | Batch: | 362409 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525585-004) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1227096 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 98.10 | ND | 100.0 | ug/L | 98% | | 70-130 | 4 | 20 | 1 |
| Antimony | 146.2 | 45.24 | 100.0 | ug/L | 101% | | 70-130 | 0 | 20 | 1 |
| Arsenic | 100.8 | 0.9660 | 100.0 | ug/L | 100% | | 70-130 | 1 | 20 | 1 |
| Barium | 101.0 | 6.401 | 100.0 | ug/L | 95% | | 70-130 | 1 | 20 | 1 |
| Beryllium | 103.5 | ND | 100.0 | ug/L | 103% | | 70-130 | 1 | 20 | 1 |
| Cadmium | 95.63 | ND | 100.0 | ug/L | 96% | | 70-130 | 2 | 20 | 1 |
| Chromium | 95.53 | 0.8880 | 100.0 | ug/L | 95% | | 70-130 | 1 | 20 | 1 |
| Cobalt | 100.0 | 0.1460 | 100.0 | ug/L | 100% | | 70-130 | 2 | 20 | 1 |
| Copper | 101.5 | 4.610 | 100.0 | ug/L | 97% | | 70-130 | 1 | 20 | 1 |
| Lead | 101.8 | 3.254 | 100.0 | ug/L | 99% | | 70-130 | 1 | 20 | 1 |
| Nickel | 98.19 | ND | 100.0 | ug/L | 98% | | 70-130 | 1 | 20 | 1 |
| Selenium | 101.3 | ND | 100.0 | ug/L | 101% | | 70-130 | 3 | 20 | 1 |
| Silver | 46.80 | ND | 50.00 | ug/L | 94% | | 70-130 | 2 | 20 | 1 |
| Thallium | 99.71 | ND | 100.0 | ug/L | 100% | | 70-130 | 1 | 20 | 1 |
| Vanadium | 96.78 | 0.6620 | 100.0 | ug/L | 96% | | 70-130 | 1 | 20 | 1 |
| Zinc | 317.2 | 228.2 | 100.0 | ug/L | 89% | | 70-130 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1226951 | Batch: | 362378 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1226951 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.032 | 02/07/25 | 02/07/25 |

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# Batch QC

| Type: | Lab Control Sample | Lab ID: | QC1226952 | Batch: | 362378 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1226952 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 4.976 | 5.000 | ug/L | 100% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1226953 | Batch: | 362378 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525572-002) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1226953 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 4.882 | 0.1146 | 5.000 | ug/L | 95% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1226954 | Batch: | 362378 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525572-002) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1226954 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.854 | 0.1146 | 5.000 | ug/L | 95% | | 75-125 | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1227999 | Batch: | 362657 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1227999 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.17 | 02/11/25 | 02/11/25 |

| Type: | Lab Control Sample | Lab ID: | QC1228000 | Batch: | 362657 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1228000 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 4.939 | 5.000 | ug/L | 99% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1228001 | Batch: | 362657 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525649-001) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1228001 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 5.004 | ND | 5.000 | ug/L | 100% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1228002 | Batch: | 362657 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525649-001) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1228002 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.842 | ND | 5.000 | ug/L | 97% | | 75-125 | 3 | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1228003 | Batch: | 362657 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525649-002) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1228003 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 4.928 | ND | 5.000 | ug/L | 99% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1228004 | Batch: | 362657 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525649-002) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1228004 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.865 | ND | 5.000 | ug/L | 97% | | 75-125 | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1231107 | Batch: | 363433 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 420.1 | Prep Method: | METHOD |

| QC1231107 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 02/19/25 | 02/19/25 |

| Type: | Lab Control Sample | Lab ID: | QC1231108 | Batch: | 363433 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 420.1 | Prep Method: | METHOD |

| QC1231108 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Phenolics | 0.09000 | 0.08000 | mg/L | 113% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1231109 | Batch: | 363433 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 420.1 | Prep Method: | METHOD |

| QC1231109 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Phenolics | 0.08400 | 0.08000 | mg/L | 105% | | 80-120 | 7 | 20 |

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# Batch QC

| Type: Blank | Lab ID: QC1226183 | Batch: 362158 |
|---|---|---|
| Matrix: Water | | |

| QC1226183 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 02/05/25 | 02/06/25 |
| beta-BHC | ND | | ug/L | 0.05 | 0.03 | 02/05/25 | 02/06/25 |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 02/05/25 | 02/06/25 |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 02/05/25 | 02/06/25 |
| Heptachlor | ND | | ug/L | 0.05 | 0.02 | 02/05/25 | 02/06/25 |
| Aldrin | ND | | ug/L | 0.05 | 0.03 | 02/05/25 | 02/06/25 |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.03 | 02/05/25 | 02/06/25 |
| Endosulfan I | ND | | ug/L | 0.05 | 0.03 | 02/05/25 | 02/06/25 |
| Dieldrin | ND | | ug/L | 0.1 | 0.03 | 02/05/25 | 02/06/25 |
| 4,4'-DDE | ND | | ug/L | 0.1 | 0.03 | 02/05/25 | 02/06/25 |
| Endrin | ND | | ug/L | 0.1 | 0.03 | 02/05/25 | 02/06/25 |
| Endosulfan II | ND | | ug/L | 0.1 | 0.03 | 02/05/25 | 02/06/25 |
| Endosulfan sulfate | ND | | ug/L | 0.1 | 0.03 | 02/05/25 | 02/06/25 |
| 4,4'-DDD | ND | | ug/L | 0.1 | 0.02 | 02/05/25 | 02/06/25 |
| Endrin aldehyde | ND | | ug/L | 0.1 | 0.04 | 02/05/25 | 02/06/25 |
| Endrin ketone | ND | | ug/L | 0.1 | 0.04 | 02/05/25 | 02/06/25 |
| 4,4'-DDT | ND | | ug/L | 0.1 | 0.04 | 02/05/25 | 02/06/25 |
| Methoxychlor | ND | | ug/L | 0.1 | 0.05 | 02/05/25 | 02/06/25 |
| Toxaphene | ND | | ug/L | 2.0 | 0.3 | 02/05/25 | 02/06/25 |
| Chlordane (Technical) | ND | | ug/L | 1.0 | 0.1 | 02/05/25 | 02/06/25 |
| **Surrogates** | | | | **Limits** | | | |
| TCMX | 78% | | %REC | 14-120 | | 02/05/25 | 02/06/25 |
| Decachlorobiphenyl | 91% | | %REC | 20-120 | | 02/05/25 | 02/06/25 |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.50 | 0.37 | 02/05/25 | 02/07/25 |
| Aroclor-1221 | ND | | ug/L | 0.50 | 0.41 | 02/05/25 | 02/07/25 |
| Aroclor-1232 | ND | | ug/L | 0.50 | 0.36 | 02/05/25 | 02/07/25 |
| Aroclor-1242 | ND | | ug/L | 0.50 | 0.35 | 02/05/25 | 02/07/25 |
| Aroclor-1248 | ND | | ug/L | 0.50 | 0.34 | 02/05/25 | 02/07/25 |
| Aroclor-1254 | ND | | ug/L | 0.50 | 0.18 | 02/05/25 | 02/07/25 |
| Aroclor-1260 | ND | | ug/L | 0.50 | 0.45 | 02/05/25 | 02/07/25 |
| Aroclor-1262 | ND | | ug/L | 0.50 | 0.39 | 02/05/25 | 02/07/25 |
| Aroclor-1268 | ND | | ug/L | 0.50 | 0.25 | 02/05/25 | 02/07/25 |
| **Surrogates** | | | | **Limits** | | | |
| Decachlorobiphenyl (PCB) | 117% | | %REC | 18-126 | | 02/05/25 | 02/07/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1226186** | **Batch:** | **362158** |
| **Matrix:** | **Water** | **Method:** | **EPA 8081A** | **Prep Method:** | **EPA 3510C** |

| QC1226186 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| alpha-BHC | 0.5732 | 0.5000 | ug/L | 115% | | 53-120 |
| beta-BHC | 0.5681 | 0.5000 | ug/L | 114% | | 59-120 |
| gamma-BHC | 0.5757 | 0.5000 | ug/L | 115% | | 54-120 |
| delta-BHC | 0.5973 | 0.5000 | ug/L | 119% | | 58-120 |
| Heptachlor | 0.5227 | 0.5000 | ug/L | 105% | | 49-120 |
| Aldrin | 0.5190 | 0.5000 | ug/L | 104% | | 47-120 |
| Heptachlor epoxide | 0.5292 | 0.5000 | ug/L | 106% | | 53-120 |
| Endosulfan I | 0.5728 | 0.5000 | ug/L | 115% | | 56-120 |
| Dieldrin | 0.5487 | 0.5000 | ug/L | 110% | | 55-120 |
| 4,4'-DDE | 0.5677 | 0.5000 | ug/L | 114% | | 55-120 |
| Endrin | 0.5958 | 0.5000 | ug/L | 119% | | 57-120 |
| Endosulfan II | 0.5962 | 0.5000 | ug/L | 119% | | 58-120 |
| Endosulfan sulfate | 0.5758 | 0.5000 | ug/L | 115% | | 56-120 |
| 4,4'-DDD | 0.5564 | 0.5000 | ug/L | 111% | | 53-120 |
| Endrin aldehyde | 0.5655 | 0.5000 | ug/L | 113% | | 45-120 |
| Endrin ketone | 0.6130 | 0.5000 | ug/L | 123% | * | 61-120 |
| 4,4'-DDT | 0.5867 | 0.5000 | ug/L | 117% | | 58-120 |
| Methoxychlor | 0.6270 | 0.5000 | ug/L | 125% | * | 54-120 |
| **Surrogates** | | | | | | |
| TCMX | 0.4563 | 0.5000 | ug/L | 91% | | 14-120 |
| Decachlorobiphenyl | 0.4439 | 0.5000 | ug/L | 89% | | 20-120 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1226187 | Batch: | 362158 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8081A | Prep Method: | EPA 3510C |

| QC1226187 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | 0.5818 | 0.5000 | ug/L | 116% | | 53-120 | 1 | 20 |
| beta-BHC | 0.5786 | 0.5000 | ug/L | 116% | | 59-120 | 2 | 20 |
| gamma-BHC | 0.5880 | 0.5000 | ug/L | 118% | | 54-120 | 2 | 20 |
| delta-BHC | 0.6132 | 0.5000 | ug/L | 123% | * | 58-120 | 3 | 20 |
| Heptachlor | 0.5299 | 0.5000 | ug/L | 106% | | 49-120 | 1 | 20 |
| Aldrin | 0.5281 | 0.5000 | ug/L | 106% | | 47-120 | 2 | 20 |
| Heptachlor epoxide | 0.5412 | 0.5000 | ug/L | 108% | | 53-120 | 2 | 20 |
| Endosulfan I | 0.5831 | 0.5000 | ug/L | 117% | | 56-120 | 2 | 20 |
| Dieldrin | 0.5580 | 0.5000 | ug/L | 112% | | 55-120 | 2 | 20 |
| 4,4'-DDE | 0.5782 | 0.5000 | ug/L | 116% | | 55-120 | 2 | 20 |
| Endrin | 0.6116 | 0.5000 | ug/L | 122% | * | 57-120 | 3 | 20 |
| Endosulfan II | 0.6064 | 0.5000 | ug/L | 121% | * | 58-120 | 2 | 20 |
| Endosulfan sulfate | 0.5888 | 0.5000 | ug/L | 118% | | 56-120 | 2 | 20 |
| 4,4'-DDD | 0.5729 | 0.5000 | ug/L | 115% | | 53-120 | 3 | 20 |
| Endrin aldehyde | 0.5738 | 0.5000 | ug/L | 115% | | 45-120 | 1 | 20 |
| Endrin ketone | 0.6200 | 0.5000 | ug/L | 124% | * | 61-120 | 1 | 20 |
| 4,4'-DDT | 0.6007 | 0.5000 | ug/L | 120% | | 58-120 | 2 | 20 |
| Methoxychlor | 0.6356 | 0.5000 | ug/L | 127% | * | 54-120 | 1 | 20 |
| **Surrogates** | | | | | | | | |
| TCMX | 0.4403 | 0.5000 | ug/L | 88% | | 14-120 | | |
| Decachlorobiphenyl | 0.4449 | 0.5000 | ug/L | 89% | | 20-120 | | |

| Type: | Lab Control Sample | Lab ID: | QC1226188 | Batch: | 362158 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1226188 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 4.786 | 5.000 | ug/L | 96% | | 36-143 |
| Aroclor-1260 | 4.867 | 5.000 | ug/L | 97% | | 31-153 |
| **Surrogates** | | | | | | |
| Decachlorobiphenyl (PCB) | 0.4387 | 0.5000 | ug/L | 88% | | 18-126 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1226189 | Batch: | 362158 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1226189 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 5.238 | 5.000 | ug/L | 105% | | 36-143 | 9 | 39 |
| Aroclor-1260 | 5.183 | 5.000 | ug/L | 104% | | 31-153 | 6 | 20 |
| **Surrogates** | | | | | | | | |
| Decachlorobiphenyl (PCB) | 0.4706 | 0.5000 | ug/L | 94% | | 18-126 | | |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1226942 | Batch: 362375 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1226942 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 45.80 | 50.00 | ug/L | 92% | | 70-135 |
| MTBE | 51.23 | 50.00 | ug/L | 102% | | 70-130 |
| Benzene | 51.57 | 50.00 | ug/L | 103% | | 70-130 |
| Trichloroethene | 51.49 | 50.00 | ug/L | 103% | | 70-130 |
| Toluene | 49.35 | 50.00 | ug/L | 99% | | 70-130 |
| Chlorobenzene | 48.14 | 50.00 | ug/L | 96% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 52.58 | 50.00 | ug/L | 105% | | 70-130 |
| 1,2-Dichloroethane-d4 | 45.72 | 50.00 | ug/L | 91% | | 70-130 |
| Toluene-d8 | 48.71 | 50.00 | ug/L | 97% | | 70-130 |
| Bromofluorobenzene | 50.36 | 50.00 | ug/L | 101% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1226943 | Batch: 362375 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1226943 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 43.68 | 50.00 | ug/L | 87% | | 70-135 | 5 | 30 |
| MTBE | 50.45 | 50.00 | ug/L | 101% | | 70-130 | 2 | 30 |
| Benzene | 49.81 | 50.00 | ug/L | 100% | | 70-130 | 3 | 30 |
| Trichloroethene | 50.84 | 50.00 | ug/L | 102% | | 70-130 | 1 | 30 |
| Toluene | 47.69 | 50.00 | ug/L | 95% | | 70-130 | 3 | 30 |
| Chlorobenzene | 47.62 | 50.00 | ug/L | 95% | | 70-130 | 1 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.38 | 50.00 | ug/L | 103% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 44.15 | 50.00 | ug/L | 88% | | 70-130 | | |
| Toluene-d8 | 48.44 | 50.00 | ug/L | 97% | | 70-130 | | |
| Bromofluorobenzene | 49.82 | 50.00 | ug/L | 100% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1226945** | **Batch:** | **362375** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1226945 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Chloroprene | ND | | ug/L | 200 | 0.4 | 02/07/25 | 02/07/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 02/07/25 | 02/07/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 2.4 | 02/07/25 | 02/07/25 |
| Ethanol | ND | | ug/L | 500 | 93 | 02/07/25 | 02/07/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 1.5 | 02/07/25 | 02/07/25 |
| Isopropanol (IPA) | ND | | ug/L | 200 | 21 | 02/07/25 | 02/07/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.9 | 02/07/25 | 02/07/25 |
| Vinyl Acetate | ND | | ug/L | 50 | 2.6 | 02/07/25 | 02/07/25 |
| Acrolein | ND | | ug/L | 200 | 4.2 | 02/07/25 | 02/07/25 |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 02/07/25 | 02/07/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 02/07/25 | 02/07/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 02/07/25 | 02/07/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 02/07/25 | 02/07/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| Iodomethane | ND | | ug/L | 5.0 | | 02/07/25 | 02/07/25 |
| Acetone | ND | | ug/L | 100 | 17 | 02/07/25 | 02/07/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 02/07/25 | 02/07/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 2-Butanone | ND | | ug/L | 10 | 2.0 | 02/07/25 | 02/07/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 02/07/25 | 02/07/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.4 | 02/07/25 | 02/07/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |

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## Batch QC

| QC1226945 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 02/07/25 | 02/07/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 02/07/25 | 02/07/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 02/07/25 | 02/07/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 02/07/25 | 02/07/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 02/07/25 | 02/07/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 02/07/25 | 02/07/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 02/07/25 | 02/07/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 02/07/25 | 02/07/25 |
| TIC:Acetonitrile | ND | | ug/L | | | 02/07/25 | 02/07/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 105% | | %REC | 70-130 | | 02/07/25 | 02/07/25 |
| 1,2-Dichloroethane-d4 | 97% | | %REC | 70-130 | | 02/07/25 | 02/07/25 |
| Toluene-d8 | 99% | | %REC | 70-130 | | 02/07/25 | 02/07/25 |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 02/07/25 | 02/07/25 |

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1226997 | Batch: | 362375 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525230-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1226997 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 14.42 | ND | 20.00 | ug/L | 72% | | 70-130 | 1 |
| MTBE | 18.38 | ND | 20.00 | ug/L | 92% | | 75-130 | 1 |
| Benzene | 17.50 | ND | 20.00 | ug/L | 88% | | 70-130 | 1 |
| Trichloroethene | 26.99 | 9.509 | 20.00 | ug/L | 87% | | 63-130 | 1 |
| Toluene | 16.54 | ND | 20.00 | ug/L | 83% | | 70-130 | 1 |
| Chlorobenzene | 16.45 | ND | 20.00 | ug/L | 82% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.02 | | 50.00 | ug/L | 104% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 48.49 | | 50.00 | ug/L | 97% | | 70-130 | 1 |
| Toluene-d8 | 48.62 | | 50.00 | ug/L | 97% | | 70-130 | 1 |
| Bromofluorobenzene | 48.63 | | 50.00 | ug/L | 97% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1226998 | Batch: | 362375 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525230-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1226998 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 12.88 | ND | 20.00 | ug/L | 64% | * | 70-130 | 11 | 30 | 1 |
| MTBE | 16.56 | ND | 20.00 | ug/L | 83% | | 75-130 | 10 | 30 | 1 |
| Benzene | 14.95 | ND | 20.00 | ug/L | 75% | | 70-130 | 16 | 30 | 1 |
| Trichloroethene | 23.12 | 9.509 | 20.00 | ug/L | 68% | | 63-130 | 15 | 30 | 1 |
| Toluene | 14.61 | ND | 20.00 | ug/L | 73% | | 70-130 | 12 | 30 | 1 |
| Chlorobenzene | 14.22 | ND | 20.00 | ug/L | 71% | | 70-130 | 15 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 53.53 | | 50.00 | ug/L | 107% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 48.42 | | 50.00 | ug/L | 97% | | 70-130 | | | 1 |
| Toluene-d8 | 48.88 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.65 | | 50.00 | ug/L | 97% | | 70-130 | | | 1 |

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# Batch QC

| Type: Blank | Lab ID: QC1227666 | Batch: 362558 |
|---|---|---|
| Matrix: Water | Method: EPA 8270C | Prep Method: EPA 3510C |

| QC1227666 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbazole | ND | | ug/L | 10 | 2.3 | 02/10/25 | 02/10/25 |
| Pyridine | ND | | ug/L | 10 | 3.9 | 02/10/25 | 02/10/25 |
| N-Nitrosodimethylamine | ND | | ug/L | 10 | 2.8 | 02/10/25 | 02/10/25 |
| Phenol | ND | | ug/L | 10 | 3.5 | 02/10/25 | 02/10/25 |
| Aniline | ND | | ug/L | 10 | 4.5 | 02/10/25 | 02/10/25 |
| bis(2-Chloroethyl)ether | ND | | ug/L | 25 | 3.1 | 02/10/25 | 02/10/25 |
| 2-Chlorophenol | ND | | ug/L | 10 | 2.8 | 02/10/25 | 02/10/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 10 | 3.3 | 02/10/25 | 02/10/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 10 | 3.3 | 02/10/25 | 02/10/25 |
| Benzyl alcohol | ND | | ug/L | 10 | 5.8 | 02/10/25 | 02/10/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 10 | 3.3 | 02/10/25 | 02/10/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 3.2 | 02/10/25 | 02/10/25 |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 10 | 2.8 | 02/10/25 | 02/10/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 2.6 | 02/10/25 | 02/10/25 |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 10 | 3.9 | 02/10/25 | 02/10/25 |
| Hexachloroethane | ND | | ug/L | 10 | 3.8 | 02/10/25 | 02/10/25 |
| Nitrobenzene | ND | | ug/L | 25 | 6.4 | 02/10/25 | 02/10/25 |
| Isophorone | ND | | ug/L | 10 | 1.9 | 02/10/25 | 02/10/25 |
| 2-Nitrophenol | ND | | ug/L | 10 | 5.6 | 02/10/25 | 02/10/25 |
| 2,4-Dimethylphenol | ND | | ug/L | 10 | 4.4 | 02/10/25 | 02/10/25 |
| Benzoic acid | ND | | ug/L | 50 | 19 | 02/10/25 | 02/10/25 |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 10 | 2.3 | 02/10/25 | 02/10/25 |
| 2,4-Dichlorophenol | ND | | ug/L | 10 | 2.7 | 02/10/25 | 02/10/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 10 | 2.6 | 02/10/25 | 02/10/25 |
| Naphthalene | ND | | ug/L | 10 | 2.7 | 02/10/25 | 02/10/25 |
| 4-Chloroaniline | ND | | ug/L | 10 | 2.3 | 02/10/25 | 02/10/25 |
| Hexachlorobutadiene | ND | | ug/L | 10 | 4.0 | 02/10/25 | 02/10/25 |
| 4-Chloro-3-methylphenol | ND | | ug/L | 10 | 2.7 | 02/10/25 | 02/10/25 |
| 2-Methylnaphthalene | ND | | ug/L | 10 | 2.4 | 02/10/25 | 02/10/25 |
| Hexachlorocyclopentadiene | ND | | ug/L | 25 | 4.9 | 02/10/25 | 02/10/25 |
| 2,4,6-Trichlorophenol | ND | | ug/L | 10 | 2.2 | 02/10/25 | 02/10/25 |
| 2,4,5-Trichlorophenol | ND | | ug/L | 10 | 2.7 | 02/10/25 | 02/10/25 |
| 2-Chloronaphthalene | ND | | ug/L | 10 | 2.4 | 02/10/25 | 02/10/25 |
| 2-Nitroaniline | ND | | ug/L | 50 | 3.7 | 02/10/25 | 02/10/25 |
| Dimethylphthalate | ND | | ug/L | 10 | 3.1 | 02/10/25 | 02/10/25 |
| Acenaphthylene | ND | | ug/L | 10 | 2.2 | 02/10/25 | 02/10/25 |
| 2,6-Dinitrotoluene | ND | | ug/L | 10 | 3.7 | 02/10/25 | 02/10/25 |
| 3-Nitroaniline | ND | | ug/L | 10 | 1.8 | 02/10/25 | 02/10/25 |
| Acenaphthene | ND | | ug/L | 10 | 2.6 | 02/10/25 | 02/10/25 |
| 2,4-Dinitrophenol | ND | | ug/L | 50 | 3.5 | 02/10/25 | 02/10/25 |
| 4-Nitrophenol | ND | | ug/L | 10 | 1.5 | 02/10/25 | 02/10/25 |
| Dibenzofuran | ND | | ug/L | 10 | 2.2 | 02/10/25 | 02/10/25 |
| 2,4-Dinitrotoluene | ND | | ug/L | 10 | 3.1 | 02/10/25 | 02/10/25 |
| Diethylphthalate | ND | | ug/L | 10 | 2.8 | 02/10/25 | 02/10/25 |
| Fluorene | ND | | ug/L | 10 | 2.1 | 02/10/25 | 02/10/25 |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 10 | 2.4 | 02/10/25 | 02/10/25 |
| 4-Nitroaniline | ND | | ug/L | 10 | 2.8 | 02/10/25 | 02/10/25 |

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## Batch QC

| QC1227666 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 50 | 3.2 | 02/10/25 | 02/10/25 |
| N-Nitrosodiphenylamine | ND | | ug/L | 10 | 3.9 | 02/10/25 | 02/10/25 |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 10 | 2.3 | 02/10/25 | 02/10/25 |
| 4-Bromophenyl-phenylether | ND | | ug/L | 10 | 2.3 | 02/10/25 | 02/10/25 |
| Hexachlorobenzene | ND | | ug/L | 10 | 2.4 | 02/10/25 | 02/10/25 |
| Pentachlorophenol | ND | | ug/L | 25 | 2.6 | 02/10/25 | 02/10/25 |
| Phenanthrene | ND | | ug/L | 10 | 2.6 | 02/10/25 | 02/10/25 |
| Anthracene | ND | | ug/L | 10 | 2.1 | 02/10/25 | 02/10/25 |
| Di-n-butylphthalate | ND | | ug/L | 10 | 2.4 | 02/10/25 | 02/10/25 |
| Fluoranthene | ND | | ug/L | 10 | 2.6 | 02/10/25 | 02/10/25 |
| Benzidine | ND | | ug/L | 50 | 16 | 02/10/25 | 02/10/25 |
| Pyrene | ND | | ug/L | 10 | 2.4 | 02/10/25 | 02/10/25 |
| Butylbenzylphthalate | ND | | ug/L | 10 | 2.6 | 02/10/25 | 02/10/25 |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 25 | 2.9 | 02/10/25 | 02/10/25 |
| Benzo(a)anthracene | ND | | ug/L | 10 | 2.1 | 02/10/25 | 02/10/25 |
| Chrysene | ND | | ug/L | 10 | 2.5 | 02/10/25 | 02/10/25 |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 10 | 2.8 | 02/10/25 | 02/10/25 |
| Di-n-octylphthalate | ND | | ug/L | 10 | 4.8 | 02/10/25 | 02/10/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 10 | 2.3 | 02/10/25 | 02/10/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 10 | 2.4 | 02/10/25 | 02/10/25 |
| Benzo(a)pyrene | ND | | ug/L | 10 | 2.2 | 02/10/25 | 02/10/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 10 | 5.4 | 02/10/25 | 02/10/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 10 | 7.5 | 02/10/25 | 02/10/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 10 | 3.5 | 02/10/25 | 02/10/25 |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| TIC:Acetophenone | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| TIC:Chlorobenzilate | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| TIC:Diallate | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| TIC:Thionazin | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 02/10/25 | 02/10/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 53% | | %REC | 20-140 | | 02/10/25 | 02/10/25 |
| Phenol-d6 | 34% | | %REC | 20-140 | | 02/10/25 | 02/10/25 |
| 2,4,6-Tribromophenol | 63% | | %REC | 20-140 | | 02/10/25 | 02/10/25 |
| Nitrobenzene-d5 | 80% | | %REC | 20-140 | | 02/10/25 | 02/10/25 |
| 2-Fluorobiphenyl | 83% | | %REC | 20-140 | | 02/10/25 | 02/10/25 |
| Terphenyl-d14 | 86% | | %REC | 20-140 | | 02/10/25 | 02/10/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1227667** | **Batch:** | **362558** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1227667 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 30.10 | 75.00 | ug/L | 40% | | 13-120 |
| 2-Chlorophenol | 63.70 | 75.00 | ug/L | 85% | | 31-120 |
| 1,4-Dichlorobenzene | 56.05 | 75.00 | ug/L | 75% | | 24-120 |
| 3-,4-Methylphenol | 59.90 | 75.00 | ug/L | 80% | | 29-120 |
| N-Nitroso-di-n-propylamine | 73.33 | 75.00 | ug/L | 98% | | 32-120 |
| 2,4-Dimethylphenol | 62.83 | 75.00 | ug/L | 84% | | 25-120 |
| 1,2,4-Trichlorobenzene | 61.36 | 75.00 | ug/L | 82% | | 26-120 |
| 4-Chloro-3-methylphenol | 70.90 | 75.00 | ug/L | 95% | | 39-120 |
| 2,4,5-Trichlorophenol | 69.62 | 75.00 | ug/L | 93% | | 38-120 |
| Acenaphthene | 66.67 | 75.00 | ug/L | 89% | | 33-120 |
| 4-Nitrophenol | 30.54 | 75.00 | ug/L | 41% | | 12-120 |
| 2,4-Dinitrotoluene | 72.43 | 75.00 | ug/L | 97% | | 46-120 |
| Pentachlorophenol | 65.88 | 75.00 | ug/L | 88% | | 37-120 |
| Pyrene | 62.09 | 75.00 | ug/L | 83% | | 47-120 |
| Chrysene | 70.00 | 75.00 | ug/L | 93% | | 48-120 |
| Benzo(b)fluoranthene | 71.33 | 75.00 | ug/L | 95% | | 46-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 23.16 | 40.00 | ug/L | 58% | | 20-140 |
| Phenol-d6 | 15.18 | 40.00 | ug/L | 38% | | 20-140 |
| 2,4,6-Tribromophenol | 39.29 | 40.00 | ug/L | 98% | | 20-140 |
| Nitrobenzene-d5 | 37.80 | 40.00 | ug/L | 94% | | 20-140 |
| 2-Fluorobiphenyl | 33.22 | 40.00 | ug/L | 83% | | 20-140 |
| Terphenyl-d14 | 30.86 | 40.00 | ug/L | 77% | | 20-140 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1227668** | **Batch:** | **362558** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1227668 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 29.27 | 75.00 | ug/L | 39% | | 13-120 | 3 | 62 |
| 2-Chlorophenol | 61.43 | 75.00 | ug/L | 82% | | 31-120 | 4 | 62 |
| 1,4-Dichlorobenzene | 52.41 | 75.00 | ug/L | 70% | | 24-120 | 7 | 64 |
| 3-,4-Methylphenol | 56.05 | 75.00 | ug/L | 75% | | 29-120 | 7 | 62 |
| N-Nitroso-di-n-propylamine | 70.50 | 75.00 | ug/L | 94% | | 32-120 | 4 | 65 |
| 2,4-Dimethylphenol | 61.50 | 75.00 | ug/L | 82% | | 25-120 | 2 | 64 |
| 1,2,4-Trichlorobenzene | 56.93 | 75.00 | ug/L | 76% | | 26-120 | 7 | 63 |
| 4-Chloro-3-methylphenol | 76.12 | 75.00 | ug/L | 101% | | 39-120 | 7 | 58 |
| 2,4,5-Trichlorophenol | 75.96 | 75.00 | ug/L | 101% | | 38-120 | 9 | 59 |
| Acenaphthene | 63.65 | 75.00 | ug/L | 85% | | 33-120 | 5 | 52 |
| 4-Nitrophenol | 30.98 | 75.00 | ug/L | 41% | | 12-120 | 1 | 63 |
| 2,4-Dinitrotoluene | 67.06 | 75.00 | ug/L | 89% | | 46-120 | 8 | 41 |
| Pentachlorophenol | 54.71 | 75.00 | ug/L | 73% | | 37-120 | 19 | 42 |
| Pyrene | 70.02 | 75.00 | ug/L | 93% | | 47-120 | 12 | 43 |
| Chrysene | 67.96 | 75.00 | ug/L | 91% | | 48-120 | 3 | 46 |
| Benzo(b)fluoranthene | 63.87 | 75.00 | ug/L | 85% | | 46-120 | 11 | 47 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 21.91 | 40.00 | ug/L | 55% | | 20-140 | | |
| Phenol-d6 | 15.12 | 40.00 | ug/L | 38% | | 20-140 | | |
| 2,4,6-Tribromophenol | 33.90 | 40.00 | ug/L | 85% | | 20-140 | | |
| Nitrobenzene-d5 | 35.38 | 40.00 | ug/L | 88% | | 20-140 | | |
| 2-Fluorobiphenyl | 36.56 | 40.00 | ug/L | 91% | | 20-140 | | |
| Terphenyl-d14 | 36.08 | 40.00 | ug/L | 90% | | 20-140 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1227754 | | **Batch:** 362585 |
| **Matrix:** Water | **Method:** EPA 8270C-SIM | | **Prep Method:** EPA 3510C |

| QC1227754 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | | ug/L | 0.50 | 0.21 | 02/10/25 | 02/11/25 |
| 2-Methylnaphthalene | ND | | ug/L | 0.50 | 0.24 | 02/10/25 | 02/11/25 |
| Naphthalene | ND | | ug/L | 0.50 | 0.21 | 02/10/25 | 02/11/25 |
| Acenaphthylene | ND | | ug/L | 0.50 | 0.22 | 02/10/25 | 02/11/25 |
| Acenaphthene | ND | | ug/L | 0.50 | 0.20 | 02/10/25 | 02/11/25 |
| Fluorene | ND | | ug/L | 0.50 | 0.20 | 02/10/25 | 02/11/25 |
| Phenanthrene | ND | | ug/L | 0.50 | 0.18 | 02/10/25 | 02/11/25 |
| Anthracene | ND | | ug/L | 0.50 | 0.20 | 02/10/25 | 02/11/25 |
| Fluoranthene | ND | | ug/L | 0.50 | 0.19 | 02/10/25 | 02/11/25 |
| Pyrene | ND | | ug/L | 0.50 | 0.19 | 02/10/25 | 02/11/25 |
| Benzo(a)anthracene | ND | | ug/L | 0.50 | 0.15 | 02/10/25 | 02/11/25 |
| Chrysene | ND | | ug/L | 0.50 | 0.17 | 02/10/25 | 02/11/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 0.50 | 0.15 | 02/10/25 | 02/11/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 0.50 | 0.18 | 02/10/25 | 02/11/25 |
| Benzo(a)pyrene | ND | | ug/L | 0.50 | 0.17 | 02/10/25 | 02/11/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.50 | 0.15 | 02/10/25 | 02/11/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.50 | 0.17 | 02/10/25 | 02/11/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.50 | 0.18 | 02/10/25 | 02/11/25 |
| **Surrogates** | | | | **Limits** | | | |
| Nitrobenzene-d5 | 91% | | %REC | 16-125 | | 02/10/25 | 02/11/25 |
| 2-Fluorobiphenyl | 87% | | %REC | 17-120 | | 02/10/25 | 02/11/25 |
| Terphenyl-d14 | 107% | | %REC | 39-123 | | 02/10/25 | 02/11/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1227755** | **Batch:** | **362585** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1227755 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.740 | 4.000 | ug/L | 93% | | 23-120 |
| 2-Methylnaphthalene | 3.683 | 4.000 | ug/L | 92% | | 33-120 |
| Naphthalene | 3.520 | 4.000 | ug/L | 88% | | 38-120 |
| Acenaphthylene | 3.996 | 4.000 | ug/L | 100% | | 37-120 |
| Acenaphthene | 3.351 | 4.000 | ug/L | 84% | | 39-120 |
| Fluorene | 3.597 | 4.000 | ug/L | 90% | | 43-120 |
| Phenanthrene | 3.499 | 4.000 | ug/L | 87% | | 42-120 |
| Anthracene | 3.640 | 4.000 | ug/L | 91% | | 42-120 |
| Fluoranthene | 3.626 | 4.000 | ug/L | 91% | | 48-120 |
| Pyrene | 3.625 | 4.000 | ug/L | 91% | | 44-120 |
| Benzo(a)anthracene | 3.885 | 4.000 | ug/L | 97% | | 51-126 |
| Chrysene | 3.590 | 4.000 | ug/L | 90% | | 47-120 |
| Benzo(b)fluoranthene | 3.648 | 4.000 | ug/L | 91% | | 44-127 |
| Benzo(k)fluoranthene | 3.546 | 4.000 | ug/L | 89% | | 43-127 |
| Benzo(a)pyrene | 3.488 | 4.000 | ug/L | 87% | | 29-124 |
| Indeno(1,2,3-cd)pyrene | 3.565 | 4.000 | ug/L | 89% | | 44-127 |
| Dibenz(a,h)anthracene | 3.567 | 4.000 | ug/L | 89% | | 55-120 |
| Benzo(g,h,i)perylene | 3.375 | 4.000 | ug/L | 84% | | 46-120 |
| **Surrogates** | | | | | | |
| Nitrobenzene-d5 | 4.016 | 4.000 | ug/L | 100% | | 16-125 |
| 2-Fluorobiphenyl | 3.826 | 4.000 | ug/L | 96% | | 17-120 |
| Terphenyl-d14 | 4.009 | 4.000 | ug/L | 100% | | 39-123 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1227756** | **Batch:** | **362585** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1227756 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.787 | 4.000 | ug/L | 95% | | 23-120 | 1 | 20 |
| 2-Methylnaphthalene | 3.764 | 4.000 | ug/L | 94% | | 33-120 | 2 | 20 |
| Naphthalene | 3.563 | 4.000 | ug/L | 89% | | 38-120 | 1 | 20 |
| Acenaphthylene | 4.118 | 4.000 | ug/L | 103% | | 37-120 | 3 | 20 |
| Acenaphthene | 3.352 | 4.000 | ug/L | 84% | | 39-120 | 0 | 20 |
| Fluorene | 3.612 | 4.000 | ug/L | 90% | | 43-120 | 0 | 20 |
| Phenanthrene | 3.338 | 4.000 | ug/L | 83% | | 42-120 | 5 | 20 |
| Anthracene | 3.453 | 4.000 | ug/L | 86% | | 42-120 | 5 | 20 |
| Fluoranthene | 3.443 | 4.000 | ug/L | 86% | | 48-120 | 5 | 20 |
| Pyrene | 3.458 | 4.000 | ug/L | 86% | | 44-120 | 5 | 20 |
| Benzo(a)anthracene | 3.702 | 4.000 | ug/L | 93% | | 51-126 | 5 | 20 |
| Chrysene | 3.438 | 4.000 | ug/L | 86% | | 47-120 | 4 | 20 |
| Benzo(b)fluoranthene | 3.407 | 4.000 | ug/L | 85% | | 44-127 | 7 | 20 |
| Benzo(k)fluoranthene | 3.309 | 4.000 | ug/L | 83% | | 43-127 | 7 | 20 |
| Benzo(a)pyrene | 3.287 | 4.000 | ug/L | 82% | | 29-124 | 6 | 20 |
| Indeno(1,2,3-cd)pyrene | 3.523 | 4.000 | ug/L | 88% | | 44-127 | 1 | 20 |
| Dibenz(a,h)anthracene | 3.538 | 4.000 | ug/L | 88% | | 55-120 | 1 | 20 |
| Benzo(g,h,i)perylene | 3.384 | 4.000 | ug/L | 85% | | 46-120 | 0 | 20 |
| **Surrogates** | | | | | | | | |
| Nitrobenzene-d5 | 3.995 | 4.000 | ug/L | 100% | | 16-125 | | |
| 2-Fluorobiphenyl | 3.962 | 4.000 | ug/L | 99% | | 17-120 | | |
| Terphenyl-d14 | 3.781 | 4.000 | ug/L | 95% | | 39-123 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1227127** | **Batch:** | **362419** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1227127 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 02/07/25 | 02/10/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1227128** | **Batch:** | **362419** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1227128 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Cyanide | 0.09973 | 0.1000 | mg/L | 100% | | 76-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1227129** | **Batch:** | **362419** |
| **Matrix (Source ID):** | **Water (525543-003)** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1227129 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.09574 | ND | 0.1000 | mg/L | 96% | | 65-121 | 0.5 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1227130 | Batch: | 362419 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525543-003) | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1227130 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.1011 | ND | 0.1000 | mg/L | 101% | | 65-121 | 5 | 30 | 0.5 |

| Type: | Blank | Lab ID: | QC1228629 | Batch: | 362848 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1228629 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 02/12/25 | 02/12/25 |

| Type: | Lab Control Sample | Lab ID: | QC1228630 | Batch: | 362848 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1228630 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1228631 | Batch: | 362848 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525143-006) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1228631 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1228632 | Batch: | 362848 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (525143-006) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1228632 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

* Value is outside QC limits
DO Diluted Out
ND Not Detected

**Laboratory Job Number 525500**

**Subcontracted Products**

**Pace Laboratories**

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 21, 2025

Zach Barker
Enthalpy
931 W Barkley Ave
Orange, CA 92868

RE: Project: 525500
Pace Project No.: 30754993

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on February 08, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

The samples will be subcontracted to Pace Bakersfield for analysis. Results of the analysis are reported on the Pace Bakersfield data tables.

(Greensburg, PA) - Revision 1 - This report replaces the February 20, 2025 report. This project was revised on February 21, 2025 to update report to recipient.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Diane Galvan, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

**REPORT OF LABORATORY ANALYSIS**

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**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## SAMPLE SUMMARY

Project: 525500
Pace Project No.: 30754993

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **30754993001** | **South Basin-Western Inlet** | Water | 02/05/25 09:10 | 02/08/25 10:00 |
| **30754993002** | **South Basin-Western Inlet** | Water | 02/05/25 09:10 | 02/08/25 10:00 |

## REPORT OF LABORATORY ANALYSIS

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ENTHALPY

Enthalpy Analytical - Ora
Orange, CA 92868
(714) 771-6900 / Fax: (51

2502144

2502144

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Felicia Johnson
PO #: Required, to be sent via email

Enthalpy Order: EO-525500
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Hold Samples until approved to analyze.

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| -1 SOUTH BASIN-WESTERN INLET | 05-FEB-2025 09:10 | 525500-001 | 1 | Water | Organophosphorus Pesticides | Hold samples until approved to analyze |
| -2 SOUTH BASIN-EASTERN INLET | 05-FEB-2025 09:10 | 525500-002 | 1 | Water | Organophosphorus Pesticides | Hold samples until approved to analyze |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Chatterjee EA-ORA | |
| | Date: 2/7/25 1620 | Date: 2/8/25 1000 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

CHK BY: LW
DISTRIBUTION
SUB OUT

PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1

Submission #: 7502144

**SHIPPING INFORMATION**
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☒ NO ☐
(W) / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

☒ COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: WA Thermometer ID: 274

Temperature: (A) 1.0 °C / (C) 1.0 °C

Date/Time 2/8/25

Analyst Init JCN 1000

| SAMPLE CONTAINERS | SAMPLE NUMBERS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | A | A | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:_____

Sample Numbering Completed By: JCN Date/Time: 2/8/25 1030

A = Actual / C = Corrected

Date of Report: 02/18/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

| | |
|---|---|
| Client Project: | [none] |
| Pace Project: | 30754993 |
| Pace Work Order: | 2502144 |
| Invoice ID: | B511978 |

Enclosed are the results of analyses for samples received by the laboratory on 2/8/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

# Table of Contents


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**2502144-02 - SOUTH BASIN-EASTERN INLET**

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**Quality Control Reports**

**Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)**

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# Internal Transfer Chain of Custody

☐ Rush Multiplier____X

☐ Samples Pre-Logged into eCOC

Cert. Needed: ☐ Yes ☐ No

Workorder: 30754993 Workorder Name: 525500 Owner Received Date: 2/8/2025 Results Requested By: 2/24/2025

| Report To | Subcontract To |
|---|---|
| Nikayla M. Yasurek<br>Pace Analytical Pittsburgh<br>1638 Roseytown Road<br>Suites 2,3,4<br>Greensburg, PA 15601<br>Phone (724)850-5600 | Pace Analytical Bakersfield<br>4100 Atlas Court<br>Bakersfield, CA 93313<br>Phone (661)327-4911 |

| Item | Sample ID | Sample Type | Collect Date/Time | Lab ID | Matrix | Preserved Containers HCl | Requested Analysis Organophosphorus Pesticides | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|
| 1 | South Basin-Western Inlet | PS | 2/5/2025 09:10 | 30754993001 | Water | 1 | X | |
| 2 | South Basin-Western Inlet | PS | 2/5/2025 09:10 | 30754993002 | Water | 1 | X | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

| Transfers | Released By | Date/Time | Received By | Date/Time |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |

Comments

Cooler Temperature on Receipt ____°C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*

*This chain of custody is considered complete as is since this information is available in the owner laboratory.*

Tuesday, February 11, 2025 11:27:17 AM FMT-ALL-C-002rev.00 24March2009 Page 1 of 1

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

**INTER_LABORATORY WORK ORDER # 30754993**
(To be completed by sending lab)

**Ship To:**
Pace Analytical Bakersfield
4100 Atlas Court
Bakersfield, CA 93313
Phone (661)327-4911

| | |
|---|---|
| Sending Project No: | 30754993 |
| Receiving Project No: | |
| Check Box for Consolidated Invoice: | ☐ |
| Date Prepared: | 02/11/25 |
| **REQUESTED COMPLETION DATE:** | **2/24/2025** |

| | | | |
|---|---|---|---|
| Sending Region | IR30-Pittsburgh | Sending Project Mgr. | Nikayla M. Yasurek |
| Receiving Region | S870 | External Client | Enthalpy Analytical |
| State of Sample Origin | | QC Deliverable | STD REPORT |

**All questions should be addressed to sending project manager.**

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

**WORK REQUESTED**

| Method Description | Container Type | Quantity of containers | Preservative | Quantity of Samples | Acode | Acode Desc |
|---|---|---|---|---|---|---|
| Organophosphorus Pesticides | DG9H | | HCL | 2 | SI-33GCV | SUB PASI GCV |

**Special Requirements:** Report C, QC Limits (C),CA PWS CLIP (1687),PEG Level LE (1550)

**FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO**

Return Samples to Sending Region: ☐ Yes ☐ No

**DISPOSITION of FORM**

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Tuesday, February 11, 2025 11:27:19 AM FMT-ALL-C-001 rev.00 24March2009 Page 1 of 1

ENTHALPY

Enthalpy Analytical - Ora
Orange, CA 92868
(714) 771-6900 / Fax: (51

**2502144**

2502144

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Felicia Johnson
PO #: Required, to be sent via email

Enthalpy Order: EO-525500
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Hold Samples until approved to analyze.

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN-WESTERN INLET | 05-FEB-2025 09:10 | 525500-001 | 1 | Water | Organophosphorus Pesticides | Hold samples until approved to analyze |
| SOUTH BASIN-EASTERN INLET | 05-FEB-2025 09:10 | 525500-002 | 1 | Water | Organophosphorus Pesticides | Hold samples until approved to analyze |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Dautgen EA-ORA | |
| | Date: 2/7/25 1620 | Date: 2/8/25 1000 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

CHK BY DISTRIBUTION
100
SUB OUT ☐

1 of 1

| PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1 |
|---|---|---|
| Submission #: 2502144 | | |

| SHIPPING INFORMATION | SHIPPING CONTAINER | FREE LIQUID |
|---|---|---|
| Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ | Ice Chest ☒ None ☐ Box ☐ | YES ☒ NO ☐ |
| Pace Lab Field Service ☐ Other ☐ (Specify)_____ | Other ☐ (Specify)_____ | (W) / S |

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

☑ COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 274

Temperature: (A) 1.0 °C / (C) 1.0 °C

Date/Time 2/8/25

Analyst Init JCN 1000

| SAMPLE CONTAINERS | SAMPLE NUMBERS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | A | A | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:

Sample Numbering Completed By: JCN Date/Time: 2/8/25 1030

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **2502144-01** | **COC Number:** | --- | **Receive Date:** | 02/08/2025 10:00 |
| | **Project Number:** | --- | **Sampling Date:** | 02/05/2025 09:10 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SOUTH BASIN-WESTERN INLET | **Lab Matrix:** | Water |
| | **Sampled By:** | Client | **Sample Type:** | Water |
| **2502144-02** | **COC Number:** | --- | **Receive Date:** | 02/08/2025 10:00 |
| | **Project Number:** | --- | **Sampling Date:** | 02/05/2025 09:10 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SOUTH BASIN-EASTERN INLET | **Lab Matrix:** | Water |
| | **Sampled By:** | Client | **Sample Type:** | Water |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2502144-01 | **Client Sample Name:** SOUTH BASIN-WESTERN INLET, 2/5/2025 9:10:00AM, Client

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 0.50 | 0.12 | EPA-8141A | ND | | 1 |
| Bolstar | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Coumaphos | ND | ug/L | 0.50 | 0.11 | EPA-8141A | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.20 | 0.056 | EPA-8141A | ND | | 1 |
| Diazinon | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Disulfoton | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Ethoprop | ND | ug/L | 0.20 | 0.052 | EPA-8141A | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.20 | 0.051 | EPA-8141A | ND | | 1 |
| Fenthion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Merphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Mevinphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Naled | ND | ug/L | 0.50 | 0.17 | EPA-8141A | ND | | 1 |
| Phorate | ND | ug/L | 0.20 | 0.066 | EPA-8141A | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.20 | 0.082 | EPA-8141A | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Trichloronate | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Triphenylphosphate (Surrogate) | 83.2 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 02/11/25 12:00 | 02/17/25 19:24 | HAH | GC-18 | 1 | B205943 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2502144-02 | **Client Sample Name:** SOUTH BASIN-EASTERN INLET, 2/5/2025 9:10:00AM, Client

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 2.5 | 0.60 | EPA-8141A | ND | A10 | 1 |
| Bolstar | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Chlorpyrifos | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Coumaphos | ND | ug/L | 2.5 | 0.55 | EPA-8141A | ND | A10 | 1 |
| Demeton O/S | ND | ug/L | 1.0 | 0.28 | EPA-8141A | ND | A10 | 1 |
| Diazinon | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Dichlorvos | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Disulfoton | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Ethoprop | ND | ug/L | 1.0 | 0.26 | EPA-8141A | ND | A10 | 1 |
| Fensulfothion | ND | ug/L | 1.0 | 0.26 | EPA-8141A | ND | A10 | 1 |
| Fenthion | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Merphos | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Methyl parathion | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Mevinphos | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Naled | ND | ug/L | 2.5 | 0.85 | EPA-8141A | ND | A10 | 1 |
| Phorate | ND | ug/L | 1.0 | 0.33 | EPA-8141A | ND | A10 | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 1.0 | 0.41 | EPA-8141A | ND | A10 | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Trichloronate | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Triphenylphosphate (Surrogate) | 2.0 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | S09 | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 02/11/25 12:00 | 02/17/25 21:51 | HAH | GC-18 | 5 | B205943 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|
| **QC Batch ID: B205943** | | | | | | | |
| Azinphos methyl | B205943-BLK1 | ND | ug/L | 0.50 | 0.12 | | 1 |
| Bolstar | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Chlorpyrifos | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Coumaphos | B205943-BLK1 | ND | ug/L | 0.50 | 0.11 | | 1 |
| Demeton O/S | B205943-BLK1 | ND | ug/L | 0.20 | 0.056 | | 1 |
| Diazinon | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Dichlorvos | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Disulfoton | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Ethoprop | B205943-BLK1 | ND | ug/L | 0.20 | 0.052 | | 1 |
| Fensulfothion | B205943-BLK1 | ND | ug/L | 0.20 | 0.051 | | 1 |
| Fenthion | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Merphos | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Methyl parathion | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Mevinphos | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Naled | B205943-BLK1 | ND | ug/L | 0.50 | 0.17 | | 1 |
| Phorate | B205943-BLK1 | ND | ug/L | 0.20 | 0.066 | | 1 |
| Ronnel (Fenchlorphos) | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Stirophos (Tetrachlorvinphos) | B205943-BLK1 | ND | ug/L | 0.20 | 0.082 | | 1 |
| Tokuthion (Prothiofos) | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Trichloronate | B205943-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| **Triphenylphosphate (Surrogate)** | **B205943-BLK1** | **104** | % | **50 - 130 (LCL - UCL)** | | | 1 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B205943-BLK1 | PB | EPA-8141A | 02/11/25 | 02/17/25 11:32 | HAH | GC-18 | 1 |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: B205943** | | | | | | | | | | | |
| Bolstar | B205943-BS1 | LCS | 1.9400 | 2.0000 | ug/L | 97.0 | | 50 - 130 | | | 1 |
| | B205943-BSD1 | LCSD | 1.9150 | 2.0000 | ug/L | 95.8 | 1.3 | 50 - 130 | 30 | | 2 |
| Chlorpyrifos | B205943-BS1 | LCS | 2.0000 | 2.0000 | ug/L | 100 | | 60 - 120 | | | 1 |
| | B205943-BSD1 | LCSD | 1.9550 | 2.0000 | ug/L | 97.8 | 2.3 | 60 - 120 | 30 | | 2 |
| Diazinon | B205943-BS1 | LCS | 1.9200 | 2.0000 | ug/L | 96.0 | | 60 - 130 | | | 1 |
| | B205943-BSD1 | LCSD | 1.9100 | 2.0000 | ug/L | 95.5 | 0.5 | 60 - 130 | 30 | | 2 |
| Methyl parathion | B205943-BS1 | LCS | 1.8550 | 2.0000 | ug/L | 92.8 | | 60 - 120 | | | 1 |
| | B205943-BSD1 | LCSD | 1.9050 | 2.0000 | ug/L | 95.2 | 2.7 | 60 - 120 | 30 | | 2 |
| Mevinphos | B205943-BS1 | LCS | 1.7150 | 2.0000 | ug/L | 85.8 | | 50 - 120 | | | 1 |
| | B205943-BSD1 | LCSD | 1.7300 | 2.0000 | ug/L | 86.5 | 0.9 | 50 - 120 | 30 | | 2 |
| Ronnel (Fenchlorphos) | B205943-BS1 | LCS | 1.7900 | 2.0000 | ug/L | 89.5 | | 50 - 120 | | | 1 |
| | B205943-BSD1 | LCSD | 1.7500 | 2.0000 | ug/L | 87.5 | 2.3 | 50 - 120 | 30 | | 2 |
| Stirophos (Tetrachlorvinphos) | B205943-BS1 | LCS | 1.9000 | 2.0000 | ug/L | 95.0 | | 50 - 120 | | | 1 |
| | B205943-BSD1 | LCSD | 1.9200 | 2.0000 | ug/L | 96.0 | 1.0 | 50 - 120 | 30 | | 2 |
| Triphenylphosphate (Surrogate) | B205943-BS1 | LCS | 2.6250 | 2.5000 | ug/L | 105 | | 50 - 130 | | | 1 |
| | B205943-BSD1 | LCSD | 2.5150 | 2.5000 | ug/L | 101 | 4.3 | 50 - 130 | | | 2 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B205943-BS1 | LCS | EPA-8141A | 02/11/25 | 02/17/25 12:01 | HAH | GC-18 | 1 |
| 2 | B205943-BSD1 | LCSD | EPA-8141A | 02/11/25 | 02/17/25 12:31 | HAH | GC-18 | 1 |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/18/2025 18:51
Project: 30754993
Project Number: [none]
Project Manager: Nikayla Yasurek

## Notes And Definitions

| | |
|---|---|
| MDL | Method Detection Limit |
| ND | Analyte Not Detected |
| PQL | Practical Quantitation Limit |
| A10 | Detection and quantitation limits were raised due to matrix interference. |
| S09 | The surrogate recovery for this compound was not within the control limits. |

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**Laboratory Job Number 525500**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2502600

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-525500

**Project Location:**
**Project Received:** 02/10/2025

Analytical Report reviewed & approved for release on 02/12/2025 by:

Ana Venegas
Project Manager

***The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.***

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502600

**Project:** EO-525500

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502600

**Project:** EO-525500

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| a3 | Sample diluted due to high organic content interfering with quantitative/or qualitative analysis. |
| b1 | Aqueous sample that contains greater than ~1 vol. % sediment |

## Quality Control Qualifiers

| | |
|---|---|
| F2 | LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria. |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502600 |
| **Date Received:** | 02/10/2025 8:07 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 02/10/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-525500 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN-WESTERN INLET | 2502600-001A | Water | 02/05/2025 09:10 | GC15A 02112507.D | 311104 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 02/11/2025 13:19 |
| Bentazon | ND | 4.1 | 10 | 10 | 02/11/2025 13:19 |
| Chloramben | ND | 3.1 | 10 | 10 | 02/11/2025 13:19 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 02/11/2025 13:19 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 02/11/2025 13:19 |
| Dalapon | ND | 3.9 | 10 | 10 | 02/11/2025 13:19 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 02/11/2025 13:19 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 02/11/2025 13:19 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 02/11/2025 13:19 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 02/11/2025 13:19 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 02/11/2025 13:19 |
| MCPA | ND | 14 | 20 | 10 | 02/11/2025 13:19 |
| MCPP | ND | 7.7 | 20 | 10 | 02/11/2025 13:19 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 02/11/2025 13:19 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 02/11/2025 13:19 |
| Picloram | ND | 3.5 | 10 | 10 | 02/11/2025 13:19 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 02/11/2025 13:19 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 02/11/2025 13:19 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 95 | 60-140 | 02/11/2025 13:19 |

Analyst(s): DP  Analytical Comments: a3,b1

*(Cont.)*

CA ELAP 1644 • NELAP 4033ORELAP

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502600 |
| **Date Received:** | 02/10/2025 8:07 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 02/10/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-525500 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN-EASTERN INLET | 2502600-002A | Water | 02/05/2025 09:10 | GC15A 02112508.D | 311104 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 02/11/2025 13:44 |
| Bentazon | ND | 4.1 | 10 | 10 | 02/11/2025 13:44 |
| Chloramben | ND | 3.1 | 10 | 10 | 02/11/2025 13:44 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 02/11/2025 13:44 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 02/11/2025 13:44 |
| Dalapon | ND | 3.9 | 10 | 10 | 02/11/2025 13:44 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 02/11/2025 13:44 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 02/11/2025 13:44 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 02/11/2025 13:44 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 02/11/2025 13:44 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 02/11/2025 13:44 |
| MCPA | ND | 14 | 20 | 10 | 02/11/2025 13:44 |
| MCPP | ND | 7.7 | 20 | 10 | 02/11/2025 13:44 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 02/11/2025 13:44 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 02/11/2025 13:44 |
| Picloram | ND | 3.5 | 10 | 10 | 02/11/2025 13:44 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 02/11/2025 13:44 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 02/11/2025 13:44 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 104 | 60-140 | 02/11/2025 13:44 |

Analyst(s): DP

Analytical Comments: a3,b1

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502600 |
| **Date Prepared:** | 02/10/2025 | **BatchID:** | 311104 |
| **Date Analyzed:** | 02/11/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-525500 | **Sample ID:** | MB/LCS/LCSD-311104 |

## QC Summary Report for SW8151A

| Analyte | MB Result | MDL | RL | SPK Val | MB IS/SS %REC | MB IS/SS Limits |
|---|---|---|---|---|---|---|
| Acifluorfen | ND | 0.26 | 1.0 | - | - | - |
| Bentazon | ND | 0.41 | 1.0 | - | - | - |
| Chloramben | ND | 0.31 | 1.0 | - | - | - |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.059 | 0.20 | - | - | - |
| 2,4-DB | ND | 0.21 | 1.0 | - | - | - |
| Dalapon | ND | 0.39 | 1.0 | - | - | - |
| DCPA (mono & diacid) | ND | 0.14 | 1.0 | - | - | - |
| Dicamba | ND | 0.059 | 0.20 | - | - | - |
| 3,5-Dichlorobenzoic Acid | ND | 0.19 | 1.0 | - | - | - |
| Dichloroprop | ND | 0.18 | 1.0 | - | - | - |
| Dinoseb (DNBP) | ND | 0.18 | 1.0 | - | - | - |
| MCPA | ND | 1.4 | 2.0 | - | - | - |
| MCPP | ND | 0.77 | 2.0 | - | - | - |
| 4-Nitrophenol | ND | 0.50 | 1.0 | - | - | - |
| Pentachlorophenol (PCP) | ND | 0.055 | 0.20 | - | - | - |
| Picloram | ND | 0.35 | 1.0 | - | - | - |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.056 | 0.20 | - | - | - |
| 2,4,5-TP (Silvex) | ND | 0.14 | 0.50 | - | - | - |
| **Surrogate Recovery** | | | | | | |
| DCAA | 9.9 | | | 10 | 99 | 70-130 |

*(Cont.)*

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502600 |
| **Date Prepared:** | 02/10/2025 | **BatchID:** | 311104 |
| **Date Analyzed:** | 02/11/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-525500 | **Sample ID:** | MB/LCS/LCSD-311104 |

## QC Summary Report for SW8151A

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Acifluorfen | 9.0 | 8.9 | 10 | 90 | 89 | 70-130 | 1.67 | 30 |
| Bentazon | 9.6 | 9.3 | 10 | 96 | 93 | 70-130 | 2.75 | 30 |
| Chloramben | 11 | 12 | 10 | 110 | 116 | 70-130 | 5.61 | 30 |
| 2,4-D (Dichlorophenoxyacetic acid) | 11 | 10 | 10 | 105 | 101 | 70-130 | 3.96 | 30 |
| 2,4-DB | 7.9 | 7.9 | 10 | 79 | 79 | 70-130 | 0.231 | 30 |
| Dalapon | 12 | 12 | 10 | 122 | 122 | 70-130 | 0.209 | 30 |
| DCPA (mono & diacid) | 9.9 | 10 | 10 | 99 | 102 | 70-130 | 2.66 | 30 |
| Dicamba | 11 | 11 | 10 | 108 | 112 | 70-130 | 3.14 | 30 |
| 3,5-Dichlorobenzoic Acid | 11 | 11 | 10 | 109 | 113 | 70-130 | 3.69 | 30 |
| Dichloroprop | 10 | 10 | 10 | 104 | 102 | 70-130 | 1.98 | 30 |
| Dinoseb (DNBP) | 9.1 | 9.6 | 10 | 91 | 96 | 70-130 | 5.38 | 30 |
| MCPA | 110 | 100 | 100 | 105 | 105 | 70-130 | 0.248 | 30 |
| MCPP | 98 | 110 | 100 | 98 | 114 | 70-130 | 14.5 | 30 |
| 4-Nitrophenol | 14 | 14 | 10 | 137,F2 | 140,F2 | 70-130 | 2.66 | 30 |
| Pentachlorophenol (PCP) | 9.8 | 10 | 10 | 98 | 101 | 70-130 | 3.22 | 30 |
| Picloram | 9.5 | 9.8 | 10 | 95 | 98 | 70-130 | 3.08 | 30 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | 9.7 | 10 | 10 | 97 | 103 | 70-130 | 6.66 | 30 |
| 2,4,5-TP (Silvex) | 9.5 | 10 | 10 | 95 | 100 | 70-130 | 5.60 | 30 |
| **Surrogate Recovery** | | | | | | | | |
| DCAA | 10 | 11 | 10 | 103 | 109 | 70-130 | 5.63 | 30 |

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# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2502600** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-525500

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT:** **2 days;**

*Date Received:* **02/10/2025**
*Date Logged:* **02/10/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2502600-001 | SOUTH BASIN-WESTERN INLET | Water | 2/5/2025 09:10 | ☐ | A | A | | | | | | | | | | |
| 2502600-002 | SOUTH BASIN-EASTERN INLET | Water | 2/5/2025 09:10 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 8151_W | 2 | PRDisposal Fee | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Lilly Ortiz**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-525500
**Comments**

**Work Order:** 2502600
**QC Level:** LEVEL 2
**Date Logged:** 2/10/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH BASIN-WESTERN INLET | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 2/5/2025 9:10 | 2 days | 2/12/2025 | 1%+ | ☐ | ☐ |
| 002A | SOUTH BASIN-EASTERN INLET | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 2/5/2025 9:10 | 2 days | 2/12/2025 | 5%+ | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2502600

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649 **HOLD TIME RUSH**

Enthalpy Order: EO-525500
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN-WESTERN INLET | 05-FEB-2025 09:10 | 525500-001 | 1 | Water | EPA 8151A Chlorinated Herbicides | |
| SOUTH BASIN-EASTERN INLET | 05-FEB-2025 09:10 | 525500-002 | 1 | Water | EPA 8151A Chlorinated Herbicides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Winterson EA-ORA | |
| | Date: 2/6/25 1600 | Date: 2/6/25 0802 |
| | | 2.4 and 1244 |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1 of 1

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# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-525500

WorkOrder №: 2502600 Matrix: Water
Carrier: Golden State Overnight

Date and Time Received: 2/10/2025 08:07
Date Logged: 2/10/2025
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☐ | No ☑ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☐ | No ☐ | NA ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | NA ☑ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 2.6°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☐ | No ☐ | NA ☑ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:

**Laboratory Job Number 525500**

**Subcontracted Products**

**Enthalpy - El Dorado Hills**

February 24, 2025

**Enthalpy Analytical - El Dorado Hills**
**Work Order No. 2502054**

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on February 07, 2025 under your Project Name 'EO-525500'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

*Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .*

**Enthalpy Analytical - EDH Work Order No. 2502054**
**Case Narrative**

**Sample Condition on Receipt:**

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

**Analytical Notes:**

**EPA Method 8290A**

The samples were extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are flagged with an "H" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

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# Sample Inventory Report

| Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 2502054-01 | SOUTH BASIN-WESTERN INLET | 05-Feb-25 09:10 | 07-Feb-25 11:24 | Amber Glass NM Bottle, 1L |
| 2502054-02 | SOUTH BASIN-EASTERN INLET | 05-Feb-25 09:10 | 07-Feb-25 11:24 | Amber Glass NM Bottle, 1L |

**ANALYTICAL RESULTS**

**Sample ID: Method Blank** **EPA Method 8290A**

**Client Data**
Name: Enthalpy Analytical
Project: EO-525500
Matrix: Aqueous

**Laboratory Data**
Lab Sample: B25B167-BLK1
QC Batch: B25B167 Date Extracted: 17-Feb-25
Sample Size: 1.00 L Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.78 | 5.00 | | 20-Feb-25 10:31 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 78.9 | 40 - 135 | | 20-Feb-25 10:31 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 91.5 | 40 - 135 | | 20-Feb-25 10:31 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

**Sample ID: OPR** **EPA Method 8290A**

| Client Data | | Laboratory Data | | | |
|---|---|---|---|---|---|
| Name: | Enthalpy Analytical | Lab Sample: | B25B167-BS1 | | |
| Project: | EO-525500 | QC Batch: | B25B167 | Date Extracted: | 17-Feb-25 16:00 |
| Matrix: | Aqueous | Sample Size: | 1.00 L | Column: | ZB-DIOXIN |

| Analyte | Amt Found (pg/L) | Spike Amt | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | 233 | 200 | 116 | 70-130 | | 20-Feb-25 09:16 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 82.5 | 40-135 | | 20-Feb-25 09:16 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 98.2 | 40-135 | | 20-Feb-25 09:16 | 1 |

**Sample ID: SOUTH BASIN-WESTERN INLET** **EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-525500
Matrix: Water
Date Collected: 05-Feb-25 09:10

**Laboratory Data**

Lab Sample: 2502054-01
QC Batch: B25B167
Sample Size: 1.04 L
Date Received: 07-Feb-25 11:24
Date Extracted: 17-Feb-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.71 | 4.80 | | 20-Feb-25 11:31 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 52.2 | 40 - 135 | | 20-Feb-25 11:31 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 76.5 | 40 - 135 | | 20-Feb-25 11:31 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

## Sample ID: SOUTH BASIN-EASTERN INLET

**EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-525500
Matrix: Water
Date Collected: 05-Feb-25 09:10

**Laboratory Data**

Lab Sample: 2502054-02
QC Batch: B25B167
Sample Size: 1.02 L
Date Received: 07-Feb-25 11:24
Date Extracted: 17-Feb-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.74 | 4.90 | | 20-Feb-25 12:17 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 2.10 | 40 - 135 | H | 20-Feb-25 12:17 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 92.5 | 40 - 135 | | 20-Feb-25 12:17 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| B | This compound was also detected in the method blank |
| Conc. | Concentration |
| CRS | Cleanup Recovery Standard |
| D | Dilution |
| DL | Detection Limit |
| E | The associated compound concentration exceeded the calibration range of the instrument |
| H | Recovery and/or RPD was outside laboratory acceptance limits |
| I | Chemical Interference |
| IS | Internal Standard |
| J | The amount detected is below the Reporting Limit/LOQ |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| M | Estimated Maximum Possible Concentration (CA Region 2 projects only) |
| MDL | Method Detection Limit |
| NA | Not applicable |
| ND | Not Detected |
| OPR | Ongoing Precision and Recovery sample |
| P | The reported concentration may include contribution from chlorinated diphenyl ether(s). |
| Q | The ion transition ratio is outside of the acceptance criteria. |
| RL | Reporting Limit |
| RL | For 537.1, the reported RLs are the MRLs. |
| TEQ | Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations. |
| TEQMax | TEQ calculation that uses the detection limit as the concentration for non-detects |
| TEQMin | TEQ calculation that uses zero as the concentration for non-detects |
| TEQRisk | TEQ calculation that uses ½ the detection limit as the concentration for non-detects |
| U | Not Detected (specific projects only) |
| * | See Cover Letter |

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

**Enthalpy Analytical - EDH Certifications**

| Accrediting Authority | Certificate Number |
|---|---|
| Alaska Department of Environmental Conservation | 17-013 |
| Arkansas Department of Environmental Quality | 21-023-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025 | 3091.01 |
| Florida Department of Health | E87777 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2020018 |
| Michigan Department of Environmental Quality | 9932 |
| Minnesota Department of Health | 2211390 |
| Nevada Division of Environmental Protection | CA00413 |
| New Hampshire Environmental Accreditation Program | 207721 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Ohio Environmental Protection Agency | 87778 |
| Oregon Laboratory Accreditation Program | 4042-021 |
| Texas Commission on Environmental Quality | T104704189-22-13 |
| Vermont Department of Health | VT-4042 |
| Virginia Department of General Services | 11276 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.*

ENTHALPY

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

2502054 0.4°C

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-525500
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

Notes:
Chiquita Canyon Landfill Stormwater

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN-WESTERN INLET | 05-FEB-2025 09:10 | 525500-001 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |
| SOUTH BASIN-EASTERN INLET | 05-FEB-2025 09:10 | 525500-002 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | EA ORA | Jennifer Torres |
| | Date: 2/6/25 1600 | Date: 02/07/25 1124 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

# CoC/Label Reconciliation Report WO# 2502054

| LabNumber | CoC Sample ID | | SampleAlias | Sample Date/Time | | Container | BaseMatrix | Sample Comments |
|---|---|---|---|---|---|---|---|---|
| 2502054-01 | A SOUTH BASIN-WESTERN INLET | ☑ (a) | 525500-001 | 05-Feb-25 09:10 | ☑ | Amber Glass NM Bottle, 1L | Aqueous | |
| 2502054-02 | A SOUTH BASIN-EASTERN INLET | ☑ | 525500-002 | 05-Feb-25 09:10 | ☑ (B) | Amber Glass NM Bottle, 1L | Aqueous | |

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

| CONDITION | Yes | No | NA |
|---|---|---|---|
| Sample Container Intact? | | | |
| Sample Container(s) Custody Seals Intact? | | | ✓ |
| Custody Seals On Cooler Intact? | | | ✓ |
| Adequate Sample Volume? | ✓ | | |
| Container Type Appropriate for Analysis(es)? | ✓ | | |

Comments: (a) no backup volume received
(B) time reconciled using barcode label

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verified by/Date: WWS 02/07/25
JT 02/07/25

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526314
Report Level : II
Report Date : 02/27/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - SW - IGP

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 526314 |
| Project No: | SW - IGP |
| Location: | SW - IGP |
| Date Received: | 02/13/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 526314-001 | 02/13/25 09:00 | Water |
| SOUTH BASIN - EASTERN INLET | 526314-002 | 02/13/25 08:15 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 526314<br>Project No: SW - IGP<br>Location: SW - IGP<br>Date Received: 02/13/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/13/25. The samples were received cold and intact.

**Metals (EPA 200.7):**

- High recoveries were observed for iron in the MS/MSD for batch 363063; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

No analytical problems were encountered.

**Total Oil & Grease (HEM) (EPA 1664A):**

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

**Total Suspended Solids (TSS) (SM2540D):**

- High RPD was observed for total suspended solids in the SDUP of SOUTH BASIN - WESTERN INLET (lab # 526314-001).
- High RPD was observed for total suspended solids in the SDUP for batch 363491; the parent sample was not a project sample.
- No other analytical problems were encountered.

**Coliform - 9221 Tests (SM 9221B and SM 9221F):**

No analytical problems were encountered.

Login 526314

526314

# Chain of Custody

Pg 1 of 4

SWT Civil & Environmental ENGINEERING

Enthalpy Analytical

| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |

**Additionally Report To**

stormwater@wasteconnections.com
tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910

Sampler Name: MTuggle

**Project Information**

Project ID: Chiquita Canyon Landfill - IGP
Project Number:

**TAT**

| Standard | Rush |
|---|---|
| 10 Days ● | ___ Days / Hours ○ |

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Container: Poly | Container: Glass | Container: Sleeve | Container: Other | Preservative: HCl | Preservative: HNO3 | Preservative: H2SO4 | Preservative: Other | Preservative: None | Matrix: Water | Matrix: Soil | Matrix: Other | Total Number of Containers per Sample ID | TSS (SM 2540-D) | O&G (EPA 1664A) | Fe (EPA 200.7) | Chloride (EPA 300.0) | Coliform Bacteria, Total (EPA 9221 B, C, or E) | E coli (SM 9221F) | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH Basin- Western Inlet | 2/13 | 0900 | | X | X | | X | X | X | | X | X | X | | | 6 | X | X | X | X | X | X | Field pH: 8.92 |
| SOUTH Basin- Eastern Inlet | 2/13 | 0815 | | X | X | | X | X | X | | X | X | X | | | 6 | X | X | X | X | X | X | Field pH: 9.17 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| Matt Tuggle | [illegible] | 2/13/25 | 13:00 |
| [illegible] | [illegible] | 2/13/25 | 15:12 |
| | | | |
| | | | |
| | | | |

DDW Write On EDT Transmission? ○ Yes ● No
State System Number:
If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No
Global ID: Sampling Company Log Code:
EDF to (Email Address):
Travel and Site Time: Mileage: Misc. Supplies:

tl EHL

2.8
3.1
8.2

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 2/13/25 WO# 526314 Client: Waste Connections Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☐ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/13/25 By (initials) GCK Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 2.8 / 2.9 #2: 3.4 / 3.5 #3: 8.2 / 8.3 #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ☐ **No microbiology samples submitted (skip 3b)**

■ Within temp range 0.0 - 10.0°C or received on ice directly from field.

■ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 2/13/25 **By (print)** G. Kim **(sign)** _____

**Date Labeled** 2/13/25 **By (print)** Orange **(sign)** _____

## *Sampling Event Observation Form*

| | |
|---|---|
| Date and Time of Inspection: 2/13/25 | Report Date: 2/13/25 |
| Chiquita Canyon Landfill | |

### Weather

| | |
|---|---|
| Previous Weather Conditions (last 48 hours): 45°-61° F sunny, cloudy, rain<br>Precipitation Total: 0,35" | Weather: cloudy, rain, 55°F |

| Estimate storm beginning: | Estimate storm duration: | Estimate time since last storm: | Rain gauge reading: |
|---|---|---|---|
| 0300 2/13 (date and time) | 12 (hours) | 8 days (days or hours) | (inches) |

### Sampling Event Observations

Observations: If yes identify location and observe drainage area to identify probable cause

| | |
|---|---|
| Odors | Yes ☐ No ☑ |
| Floating solids, not including organics | Yes ☐ No ☑ |
| Visible Oil Sheen | Yes ☐ No ☑ |
| Discoloration (i.e. any color or cloudiness that is not clear) | Yes ☑ No ☐ |

Exception Documentation (explanation required if inspection could not be conducted).

### Inspector Information

| | |
|---|---|
| Inspector Name: Matt Tuggle | Inspector Title: CTEH Environmental Specialist |
| Signature: | Date: 2/13/25 |

ENTHALPY ANALYTICAL

# Analysis Results for 526314

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526314
Project No: SW - IGP
Location: SW - IGP
Date Received: 02/13/25

**Sample ID:** SOUTH BASIN - WESTERN INLET | **Lab ID:** 526314-001 | **Matrix:** Water | **Collected:** 02/13/25 09:00

| 526314-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | **8.8** | | mg/L | 4.9 | 2.0 | 0.97 | 363959 | 02/24/25 | 02/25/25 | HXO |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **110** | | mg/L | 4.6 | 4.6 | 100 | 363063 | 02/14/25 | 02/14/25 | SBW |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **9.2** | | mg/L | 1.0 | 0.27 | 1 | 363006 | 02/13/25 17:20 | 02/14/25 05:34 | AJL |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 362989 | 02/13/25 15:52 | 02/15/25 18:41 | BPH |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **130** | | MPN/100ml | 1.8 | | 1 | 362989 | 02/13/25 15:52 | 02/15/25 18:41 | BPH |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **3,200** | | mg/L | 0.5 | | 1 | 363314 | 02/17/25 | 02/18/25 | TRR |

**Sample ID:** SOUTH BASIN - EASTERN INLET | **Lab ID:** 526314-002 | **Matrix:** Water | **Collected:** 02/13/25 08:15

| 526314-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | **25** | | mg/L | 4.8 | 2.0 | 0.96 | 363959 | 02/24/25 | 02/25/25 | HXO |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **140** | | mg/L | 4.6 | 4.6 | 100 | 363063 | 02/14/25 | 02/14/25 | SBW |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **71** | | mg/L | 1.0 | 0.27 | 1 | 363006 | 02/13/25 17:20 | 02/14/25 05:54 | AJL |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 362989 | 02/13/25 15:52 | 02/15/25 18:41 | BPH |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **>1,600** | | MPN/100ml | 1.8 | | 1 | 362989 | 02/13/25 15:52 | 02/15/25 18:41 | BPH |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **8,200** | | mg/L | 0.5 | | 1 | 363491 | 02/19/25 | 02/19/25 | DXA |

> Value exceeds indicated concentration

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526314



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1232459 | Batch: 363959 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1232459 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Oil and Grease | ND | | mg/L | 5.0 | 2.1 | 02/24/25 | 02/25/25 |

| Type: Lab Control Sample | Lab ID: QC1232460 | Batch: 363959 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1232460 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Oil and Grease | 31.60 | 40.00 | mg/L | 79% | | 78-114 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1232461 | Batch: 363959 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1232461 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Oil and Grease | 33.00 | 40.00 | mg/L | 83% | | 78-114 | 4 | 18 |

| Type: Matrix Spike | Lab ID: QC1229365 | Batch: 363063 |
|---|---|---|
| Matrix (Source ID): Water (526198-001) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1229365 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 4.004 | 1.028 | 0.4000 | mg/L | 744% | * | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1229366 | Batch: 363063 |
|---|---|---|
| Matrix (Source ID): Water (526198-001) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1229366 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 3.998 | 1.028 | 0.4000 | mg/L | 742% | * | 75-125 | 0 | 20 | 1 |

| Type: Blank | Lab ID: QC1229367 | Batch: 363063 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1229367 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Iron | ND | | mg/L | 0.041 | 0.041 | 02/14/25 | 02/14/25 |

| Type: Lab Control Sample | Lab ID: QC1229368 | Batch: 363063 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1229368 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Iron | 0.3761 | 0.4000 | mg/L | 94% | | 85-115 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Serial Dilution | Lab ID: QC1229440 | Batch: 363063 |
|---|---|---|
| Matrix (Source ID): Water (526166-001) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1229440 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Iron | 3.864 | 3.860 | mg/L | | | | 5 |

| Type: Blank | Lab ID: QC1229156 | Batch: 363006 |
|---|---|---|
| Matrix: Drinking Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1229156 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 02/13/25 17:20 | 02/13/25 19:49 |

| Type: Lab Control Sample | Lab ID: QC1229157 | Batch: 363006 |
|---|---|---|
| Matrix: Drinking Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1229157 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 47.21 | 50.00 | mg/L | 94% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1229158 | Batch: 363006 |
|---|---|---|
| Matrix (Source ID): Water (526106-001) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1229158 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 139.5 | 40.16 | 100.0 | mg/L | 99% | | 80-120 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1229159 | Batch: 363006 |
|---|---|---|
| Matrix (Source ID): Water (526106-001) | Method: EPA 300.0 | Prep Method: METHOD |

| QC1229159 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 140.2 | 40.16 | 100.0 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

| Type: Blank | Lab ID: QC1230231 | Batch: 363314 |
|---|---|---|
| Matrix: Water | Method: SM2540D | Prep Method: METHOD |

| QC1230231 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | mg/L | 0.5 | | 02/17/25 | 02/18/25 |

| Type: Lab Control Sample | Lab ID: QC1230232 | Batch: 363314 |
|---|---|---|
| Matrix: Water | Method: SM2540D | Prep Method: METHOD |

| QC1230232 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Suspended Solids | 101.9 | 100.0 | mg/L | 102% | | 90-110 |

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# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1230233 | Batch: | 363314 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540D | Prep Method: | METHOD |

| QC1230233 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 104.7 | 100.0 | mg/L | 105% | | 90-110 | 3 | 5 |

| Type: | Sample Duplicate | Lab ID: | QC1230234 | Batch: | 363314 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526256-007) | Method: | SM2540D | Prep Method: | METHOD |

| QC1230234 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 165.5 | 161.5 | mg/L | | 2 | 5 | 1 |

| Type: | Sample Duplicate | Lab ID: | QC1230235 | Batch: | 363314 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526314-001) | Method: | SM2540D | Prep Method: | METHOD |

| QC1230235 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 2,867 | 3183 | mg/L | | 10* | 5 | 1 |

| Type: | Blank | Lab ID: | QC1230856 | Batch: | 363491 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540D | Prep Method: | METHOD |

| QC1230856 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | mg/L | 0.5 | | 02/19/25 | 02/19/25 |

| Type: | Lab Control Sample | Lab ID: | QC1230857 | Batch: | 363491 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540D | Prep Method: | METHOD |

| QC1230857 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Suspended Solids | 101.0 | 100.0 | mg/L | 101% | | 90-110 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1230858 | Batch: | 363491 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540D | Prep Method: | METHOD |

| QC1230858 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 97.50 | 100.0 | mg/L | 98% | | 90-110 | 4 | 5 |

| Type: | Sample Duplicate | Lab ID: | QC1230859 | Batch: | 363491 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526248-001) | Method: | SM2540D | Prep Method: | METHOD |

| QC1230859 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 281.1 | 294.4 | mg/L | | 5 | 5 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1230860** | **Batch:** | **363491** |
| **Matrix (Source ID):** | **Water (526333-001)** | **Method:** | **SM2540D** | **Prep Method:** | **METHOD** |

| QC1230860 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 1,493 | 1224 | mg/L | | 20* | 5 | 1 |

* Value is outside QC limits
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526317
Report Level : II
Report Date : 02/28/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - SUBCHAPTER N - SW - SUBCHAPTER N

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Kate Logan<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 526317<br>SW - SUBCHAPTER N<br>SW - SUBCHAPTER N<br>02/13/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 526317-001 | 02/13/25 09:00 | Water |
| SOUTH BASIN - EASTERN INLET | 526317-002 | 02/13/25 08:15 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 526317<br>Project No: SW - SUBCHAPTER N<br>Location: SW - SUBCHAPTER N<br>Date Received: 02/13/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/13/25. The samples were received cold and intact.

**Semivolatile Organics by GC/MS (EPA 625.1):**
No analytical problems were encountered.

**Metals (EPA 200.8):**
No analytical problems were encountered.

**Biochemical Oxygen Demand (SM5210B):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

SWT Civil & Environmental ENGINEERING

FGL

Login 526317

526317

# Chain of Custody

Pg 2 of 4

| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |

**Additionally Report To**

tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910
stormwater@wasteconnections.com

Sampler Name: M Tuggle

**Project Information**

Project ID: Chiquita Canyon Landfill - Subchapter N
Project Number:

**TAT**

| Standard | Rush |
|---|---|
| 10 Days ● | ___ Days / Hours ○ |

*Excluding parameters sampled as part of IGP analysis

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Container: Poly | Container: Glass | Container: Sleeve | Container: Other | Preservative: HCl | Preservative: HNO3 | Preservative: H2SO4 | Preservative: Other | Preservative: None | Matrix: Water | Matrix: Soil | Matrix: Other | Total Number of Containers per Sample ID | BOD (SM 5210B) | Ammonia (as Nitrogen) (SM 2540-D) | α - Terpineol (USEPA 8270) | Benzoic Acid (USEPA 625) | Naphthalene (USEPA 625) | p-Cresol (USEPA 625) | Phenol (USEPA 625) | Pyridine (USEPA 625) | Arsenic (USEPA 200.8) | Chromium (USEPA 200.7/200.8) | Zinc (USEPA 200.8) | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH Basin- Western Inlet | 2/13 | 0900 | | X | X | | X | X | X | X | X | X | X | | | 4 | X | X | X | X | X | X | X | X | X | X | X | Field pH: 8.92 |
| SOUTH Basin- Eastern Inlet | 2/13 | 0815 | | X | X | | X | X | X | X | X | X | X | | | 4 | X | X | X | X | X | X | X | X | X | X | X | Field pH: 9.17 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| Matt Tuggle | Marlene Linares | 2/13/25 | 13:00 |
| Marlene Linares | | 2/13/25 | 15:12 |
| | | | |
| | | | |
| | | | |

DDW Write On EDT Transmission? ○ Yes ● No

State System Number:

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

| Travel and Site Time: | Mileage: | Misc. Supplies: |
|---|---|---|
| | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 2/13/25 WO# 5263 I-7 Client: Waste Connections Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ **Yes** ☐ **No**

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/13/25 By (initials) GCK Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 2.8 / 2.9 #2: 3.4 / 3.5 #3: 8.2 / 8.3 #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 2/13/25 **By (print)** G. Kim **(sign)** _____

**Date Labeled** 2/13/25 **By (print)** Orange **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 526317

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526317
Project No: SW - SUBCHAPTER N
Location: SW - SUBCHAPTER N
Date Received: 02/13/25

**Sample ID:** SOUTH BASIN - WESTERN INLET | **Lab ID:** 526317-001 | **Matrix:** Water | **Collected:** 02/13/25 09:00

| 526317-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 200.8 | | | | | | | | | | |
| Arsenic | **20** | | ug/L | 2.0 | 0.18 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Chromium | **130** | | ug/L | 5.0 | 0.79 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Zinc | **660** | | ug/L | 100 | 62 | 10 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.35** | | mg/L | 0.10 | 0.050 | 1 | 363898 | 02/27/25 | 02/27/25 | JAK |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Benzoic acid | ND | | ug/L | 200 | 77 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Pyridine | ND | | ug/L | 40 | 15 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Phenol | ND | | ug/L | 40 | 14 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Methylphenol | ND | | ug/L | 40 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 3-,4-Methylphenol | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Naphthalene | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Cresol | ND | | ug/L | 40 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:a-Terpineol | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 46% | | %REC | 10-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Phenol-d6 | 41% | | %REC | 10-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4,6-Tribromophenol | 44% | | %REC | 12-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Nitrobenzene-d5 | 36% | | %REC | 10-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Fluorobiphenyl | 34% | | %REC | 11-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Terphenyl-d14 | 36% | | %REC | 20-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **7.0** | BOD5 | mg/L | 3.0 | | 1 | 363094 | 02/14/25 17:10 | 02/19/25 15:28 | AAB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526317

| Sample ID: | Lab ID: 526317-002 | Collected: 02/13/25 08:15 |
|---|---|---|
| SOUTH BASIN - EASTERN INLET | Matrix: Water | |

| 526317-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 200.8 | | | | | | | | | | |
| Arsenic | **42** | | ug/L | 2.0 | 0.18 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Chromium | **150** | | ug/L | 5.0 | 0.79 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Zinc | **1,100** | | ug/L | 200 | 120 | 20 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.27** | | mg/L | 0.10 | 0.050 | 1 | 363898 | 02/27/25 | 02/27/25 | JAK |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Benzoic acid | ND | | ug/L | 100 | 39 | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Pyridine | ND | | ug/L | 20 | 7.7 | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Phenol | ND | | ug/L | 20 | 7.1 | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Methylphenol | ND | | ug/L | 20 | 6.4 | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 3-,4-Methylphenol | ND | | ug/L | 20 | 5.3 | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Naphthalene | ND | | ug/L | 20 | 5.4 | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Cresol | ND | | ug/L | 20 | | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:a-Terpineol | ND | | ug/L | | | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 66% | | %REC | 10-140 | | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Phenol-d6 | 52% | | %REC | 10-140 | | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4,6-Tribromophenol | 90% | | %REC | 12-140 | | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Nitrobenzene-d5 | 68% | | %REC | 10-140 | | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Fluorobiphenyl | 65% | | %REC | 11-140 | | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Terphenyl-d14 | 73% | | %REC | 20-140 | | 2 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **6.6** | BOD5 | mg/L | 3.0 | | 1 | 363094 | 02/14/25 17:10 | 02/19/25 15:28 | AAB |

BOD5 Estimated result, under-depleted, highest volume replicate reported
ND Not Detected



Results for any subcontracted analyses are not included in this section.

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# Batch QC

**Type:** Blank **Lab ID:** QC1229302 **Batch:** 363046
**Matrix:** Water **Method:** EPA 200.8 **Prep Method:** EPA 200.8

| QC1229302 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | ug/L | 2.0 | 0.18 | 02/14/25 | 02/15/25 |
| Chromium | ND | | ug/L | 5.0 | 0.79 | 02/14/25 | 02/15/25 |
| Zinc | ND | | ug/L | 10 | 6.2 | 02/14/25 | 02/15/25 |

**Type:** Lab Control Sample **Lab ID:** QC1229303 **Batch:** 363046
**Matrix:** Water **Method:** EPA 200.8 **Prep Method:** EPA 200.8

| QC1229303 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Arsenic | 96.81 | 100.0 | ug/L | 97% | | 85-115 |
| Chromium | 103.2 | 100.0 | ug/L | 103% | | 85-115 |
| Zinc | 100.5 | 100.0 | ug/L | 100% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1229304 **Batch:** 363046
**Matrix (Source ID):** Water (526257-013) **Method:** EPA 200.8 **Prep Method:** EPA 200.8

| QC1229304 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 115.7 | 15.45 | 100.0 | ug/L | 100% | | 70-130 | 1 |
| Chromium | 102.1 | 1.473 | 100.0 | ug/L | 101% | | 70-130 | 1 |
| Zinc | 410.9 | 304.8 | 100.0 | ug/L | 106% | | 70-130 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1229305 **Batch:** 363046
**Matrix (Source ID):** Water (526257-013) **Method:** EPA 200.8 **Prep Method:** EPA 200.8

| QC1229305 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 106.8 | 15.45 | 100.0 | ug/L | 91% | | 70-130 | 8 | 20 | 1 |
| Chromium | 97.84 | 1.473 | 100.0 | ug/L | 96% | | 70-130 | 4 | 20 | 1 |
| Zinc | 379.8 | 304.8 | 100.0 | ug/L | 75% | | 70-130 | 8 | 20 | 1 |

**Type:** Matrix Spike **Lab ID:** QC1229306 **Batch:** 363046
**Matrix (Source ID):** Water (526355-003) **Method:** EPA 200.8 **Prep Method:** EPA 200.8

| QC1229306 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 95.57 | 0.4997 | 100.0 | ug/L | 95% | | 70-130 | 1 |
| Chromium | 108.3 | 1.043 | 100.0 | ug/L | 107% | | 70-130 | 1 |
| Zinc | 337.9 | 244.3 | 100.0 | ug/L | 94% | | 70-130 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1229307 | Batch: | 363046 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526355-003) | Method: | EPA 200.8 | Prep Method: | EPA 200.8 |

| QC1229307 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 97.80 | 0.4997 | 100.0 | ug/L | 97% | | 70-130 | 2 | 20 | 1 |
| Chromium | 109.3 | 1.043 | 100.0 | ug/L | 108% | | 70-130 | 1 | 20 | 1 |
| Zinc | 346.0 | 244.3 | 100.0 | ug/L | 102% | | 70-130 | 2 | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1232263 | Batch: | 363898 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1232263 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.021 | 1.000 | mg/L | 102% | | 90-110 |

| Type: | Blank | Lab ID: | QC1232264 | Batch: | 363898 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1232264 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 02/27/25 | 02/27/25 |

| Type: | Matrix Spike | Lab ID: | QC1233810 | Batch: | 363898 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526598-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1233810 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.081 | ND | 1.000 | mg/L | 108% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1233811 | Batch: | 363898 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526598-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1233811 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.030 | ND | 1.000 | mg/L | 103% | | 90-110 | 5 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1233812 | Batch: | 363898 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526598-002) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1233812 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.150 | 0.07151 | 1.000 | mg/L | 108% | | 90-110 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1233813** | **Batch:** | **363898** |
| **Matrix (Source ID):** | **Water (526598-002)** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1233813 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.117 | 0.07151 | 1.000 | mg/L | 105% | | 90-110 | 3 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1229347** | **Batch:** | **363056** |
| **Matrix:** | **Water** | **Method:** | **EPA 625.1** | **Prep Method:** | **EPA 3510C** |

| QC1229347 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Benzoic acid | ND | | ug/L | 50 | 19 | 02/14/25 | 02/14/25 |
| Pyridine | ND | | ug/L | 10 | 3.9 | 02/14/25 | 02/14/25 |
| Phenol | ND | | ug/L | 10 | 3.5 | 02/14/25 | 02/14/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 3.2 | 02/14/25 | 02/14/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 2.6 | 02/14/25 | 02/14/25 |
| Naphthalene | ND | | ug/L | 10 | 2.7 | 02/14/25 | 02/14/25 |
| Cresol | ND | | ug/L | 10 | | 02/14/25 | 02/14/25 |
| TIC:a-Terpineol | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 55% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |
| Phenol-d6 | 36% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |
| 2,4,6-Tribromophenol | 78% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |
| Nitrobenzene-d5 | 73% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |
| 2-Fluorobiphenyl | 80% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |
| Terphenyl-d14 | 90% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1229348** | **Batch:** | **363056** |
| **Matrix:** | **Water** | **Method:** | **EPA 625.1** | **Prep Method:** | **EPA 3510C** |

| QC1229348 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 26.17 | 75.00 | ug/L | 35% | | 13-120 |
| 3-,4-Methylphenol | 51.00 | 75.00 | ug/L | 68% | | 29-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 19.76 | 40.00 | ug/L | 49% | | 20-140 |
| Phenol-d6 | 13.38 | 40.00 | ug/L | 33% | | 20-140 |
| 2,4,6-Tribromophenol | 36.73 | 40.00 | ug/L | 92% | | 20-140 |
| Nitrobenzene-d5 | 30.50 | 40.00 | ug/L | 76% | | 20-140 |
| 2-Fluorobiphenyl | 31.72 | 40.00 | ug/L | 79% | | 20-140 |
| Terphenyl-d14 | 32.45 | 40.00 | ug/L | 81% | | 20-140 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1229349** | **Batch:** | **363056** |
| **Matrix:** | **Water** | **Method:** | **EPA 625.1** | **Prep Method:** | **EPA 3510C** |

| QC1229349 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 27.66 | 75.00 | ug/L | 37% | | 13-120 | 6 | 62 |
| 3-,4-Methylphenol | 57.05 | 75.00 | ug/L | 76% | | 29-120 | 11 | 62 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 19.93 | 40.00 | ug/L | 50% | | 20-140 | | |
| Phenol-d6 | 14.17 | 40.00 | ug/L | 35% | | 20-140 | | |
| 2,4,6-Tribromophenol | 38.52 | 40.00 | ug/L | 96% | | 20-140 | | |
| Nitrobenzene-d5 | 33.41 | 40.00 | ug/L | 84% | | 20-140 | | |
| 2-Fluorobiphenyl | 32.72 | 40.00 | ug/L | 82% | | 20-140 | | |
| Terphenyl-d14 | 33.30 | 40.00 | ug/L | 83% | | 20-140 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1229433** | **Batch:** | **363094** |
| **Matrix:** | **Water** | **Method:** | **SM5210B** | **Prep Method:** | **METHOD** |

| QC1229433 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | mg/L | 3.0 | | 02/14/25 17:10 | 02/19/25 15:28 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1229434** | **Batch:** | **363094** |
| **Matrix:** | **Water** | **Method:** | **SM5210B** | **Prep Method:** | **METHOD** |

| QC1229434 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 173.4 | 198.0 | mg/L | 88% | | 84.6-115.4 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1229435** | **Batch:** | **363094** |
| **Matrix (Source ID):** | **Water (525782-004)** | **Method:** | **SM5210B** | **Prep Method:** | **METHOD** |

| QC1229435 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 722.4 | 652.5 | mg/L | | 10 | 30 | 1 |

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526321
Report Level : II
Report Date : 03/05/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - SW - MPARS

*Authorized for release by:*

David Tripp, Project Manager
657-581-4710
david.tripp@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

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# Sample Summary

| | | | |
|---|---|---|---|
| Kate Logan<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 526321<br>SW - MPARS<br>SW - MPARS<br>02/13/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 526321-001 | 02/13/25 09:00 | Water |
| SOUTH BASIN - EASTERN INLET | 526321-002 | 02/13/25 08:15 | Water |

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# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 526321<br>Project No: SW - MPARS<br>Location: SW - MPARS<br>Date Received: 02/13/25 |

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/13/25. The samples were received cold and intact.
- Samples for CO2 by RSK175 were not shipped to the subcontract lab (McCampbell Analytical) due to an internal shipping error; therefore, results for this analysis are not included in the final report. A Corrective Action Report (CAR) investigation is under way, the findings of which we'll send in follow-up to this report as soon as our investigation is completed.

**Volatile Organics by GC/MS (EPA 8260B):**

- Naphthalene was detected between the MDL and the RL in the method blank for batch 364222; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 200.7 and EPA 200.8):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for sulfate in the MS/MSD for batch 363006; affected data was qualified with "E".
- No other analytical problems were encountered.

**Conductivity (SM2510B):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**

- Alkalinity is reported past hold time for SOUTH BASIN - WESTERN INLET (-001), due to a questionable value yielded in the original analysis. The sample was re-analyzed following that original analysis. The 2nd and 3rd results are consistent with one another, and the expected ratio with TDS results - however, both the 2nd and 3rd analyses were conducted past hold time.
- No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (SM5220D):**
No analytical problems were encountered.

**Turbidity (SM2130B):**
No analytical problems were encountered.

SWT Civil & Environmental ENGINEERING

FGL

Login 526321

526321

# Chain of Custody

Pg 3 of 4

| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |

**Additionally Report To**

tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910
stormwater@wasteconnections.com

Sampler Name: M Tuggle

**Project Information**

Project ID: Chiquita Canyon Landfill - MPars
Project Number:

**Analysis Request**

**TAT**

| Standard | Rush |
|---|---|
| 10 Days ● | ___ Days / Hours ○ |

*Excluding parameters sampled as part of IGP & Sub N analysis

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Container: Poly | Container: Glass | Container: Sleeve | Container: Other | Preservative: HCl | Preservative: HNO3 | Preservative: H2SO4 | Preservative: Other | Preservative: None | Matrix: Water | Matrix: Soil | Matrix: Other | Total Number of Containers per Sample ID | VOCs 8260B | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Nitrate-N | COD,SO4, TDS, TOC | B, Ca, K, Mg, Mn, Na | Bromide, Fluoride, Sulfide | Carbon Dioxide | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH Basin- Western Inlet | 2/13 | 0900 | X | X | X | | | X | X | X | X | | X | | | 12 | X | X | X | X | X | X | X | X | X | Field pH: 8.92 Turbidity: Temp: 15.5 Specific Conductance: |
| SOUTH Basin- Eastern Inlet | 2/13 | 0815 | X | X | X | | | X | X | X | X | | X | | | 12 | X | X | X | X | X | X | X | X | X | Field pH: 9.17 Turbidity: Temp: 14.5 Specific Conductance: |

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| Matt Tuggle | MARIBEL BOLANOS | 2/13/25 | 1300 |
| MARIBEL BOLANOS | | 2/13/25 | 1512 |

DDW Write On EDT Transmission ○ Yes ● No

State System Numbe

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Re ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: Mileage: Misc. Supplies:

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 2/13/25 WO# 52632 | Client: Waste Connections Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ **Yes** ☐ **No**

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/13/25 By (initials) GCK Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 2.8 / 2.9 #2: 3.4 / 3.5 #3: 8.2 / 8.3 #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | ✓ | | |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 2/13/25 **By (print)** G. Kim **(sign)** _____

**Date Labeled** 2/13/25 **By (print)** Orange **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 526321

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526321
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 02/13/25

**Sample ID:** SOUTH BASIN - WESTERN INLET | **Lab ID:** 526321-001 | **Matrix:** Water | **Collected:** 02/13/25 09:00

| 526321-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **200** | | mg/L | 0.57 | 0.57 | 1 | 363063 | 02/14/25 | 02/14/25 | SBW |
| Magnesium | **47** | | mg/L | 0.10 | 0.025 | 1 | 363063 | 02/14/25 | 02/14/25 | SBW |
| Potassium | **26** | | mg/L | 0.50 | 0.40 | 1 | 363063 | 02/14/25 | 02/14/25 | SBW |
| Sodium | **31** | | mg/L | 0.50 | 0.34 | 1 | 363063 | 02/14/25 | 02/14/25 | SBW |
| Method: EPA 200.8<br>Prep Method: EPA 200.8 | | | | | | | | | | |
| Boron | **240** | | ug/L | 100 | 69 | 10 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Manganese | **2,100** | | ug/L | 100 | 30 | 10 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.16** | J | mg/L | 0.20 | 0.072 | 1 | 363006 | 02/13/25 17:20 | 02/14/25 04:31 | AJL |
| Nitrogen, Nitrite | **0.07** | J | mg/L | 0.10 | 0.02 | 1 | 363006 | 02/13/25 17:20 | 02/14/25 04:31 | AJL |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 1 | 363006 | 02/13/25 17:20 | 02/14/25 04:31 | AJL |
| Nitrogen, Nitrate | **0.27** | | mg/L | 0.10 | 0.05 | 1 | 363006 | 02/13/25 17:20 | 02/14/25 04:31 | AJL |
| Sulfate | **38** | | mg/L | 1.0 | 0.25 | 1 | 363006 | 02/13/25 17:20 | 02/14/25 04:31 | AJL |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 526321

| 526321-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dichloroethane-d4 | 112% | | %REC | 70-130 | | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Toluene-d8 | 89% | | %REC | 70-130 | | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 526321

| 526321-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 5.0 | 4.8 | 5 | 363412 | 02/18/25 | 02/19/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 5 | 363412 | 02/18/25 | 02/19/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363624 | 02/20/25 | 02/20/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **17** | | mg/L | 1.0 | 0.24 | 1 | 363437 | 02/18/25 | 02/19/25 | DXA |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **280** | | NTU | 1.0 | 0.09 | 10 | 362949 | 02/13/25 18:55 | 02/13/25 18:55 | ARM |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **140** | H | mg/L | 24 | | 10 | 364786 | 03/03/25 | 03/03/25 | WWC |
| Alkalinity, Total as CaCO3 | **120** | H | mg/L | 20 | | 10 | 364786 | 03/03/25 | 03/03/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **330** | | umhos/cm | 1.0 | | 1 | 364423 | 02/27/25 | 02/27/25 | ARM |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **180** | | mg/L | 20 | | 2 | 363091 | 02/14/25 | 02/17/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **260** | | mg/L | 4.0 | 1.6 | 1 | 363178 | 02/15/25 | 02/15/25 | EPL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526321

| Sample ID: | Lab ID: 526321-002 | Collected: 02/13/25 08:15 |
|---|---|---|
| SOUTH BASIN - EASTERN INLET | Matrix: Water | |

| 526321-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **440** | | mg/L | 0.57 | 0.57 | 1 | 363063 | 02/14/25 | 02/14/25 | SBW |
| Magnesium | **69** | | mg/L | 0.10 | 0.025 | 1 | 363063 | 02/14/25 | 02/14/25 | SBW |
| Potassium | **37** | | mg/L | 0.50 | 0.40 | 1 | 363063 | 02/14/25 | 02/14/25 | SBW |
| Sodium | **110** | | mg/L | 0.50 | 0.34 | 1 | 363063 | 02/14/25 | 02/14/25 | SBW |
| Method: EPA 200.8<br>Prep Method: EPA 200.8 | | | | | | | | | | |
| Boron | **350** | | ug/L | 100 | 69 | 10 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Manganese | **3,100** | | ug/L | 100 | 30 | 10 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.17** | J | mg/L | 0.20 | 0.072 | 1 | 363006 | 02/13/25 17:20 | 02/14/25 04:52 | AJL |
| Nitrogen, Nitrite | **0.29** | | mg/L | 0.10 | 0.02 | 1 | 363006 | 02/13/25 17:20 | 02/14/25 04:52 | AJL |
| Bromide | **0.24** | J | mg/L | 0.30 | 0.060 | 1 | 363006 | 02/13/25 17:20 | 02/14/25 04:52 | AJL |
| Nitrogen, Nitrate | **2.5** | | mg/L | 0.10 | 0.05 | 1 | 363006 | 02/13/25 17:20 | 02/14/25 04:52 | AJL |
| Sulfate | **430** | | mg/L | 10 | 2.5 | 10 | 363006 | 02/13/25 17:20 | 02/14/25 05:13 | AJL |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Acetone | ND | | ug/L | 100 | 16 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526321

| 526321-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| 1,2-Dichloroethane-d4 | 111% | | %REC | 70-130 | | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Toluene-d8 | 89% | | %REC | 70-130 | | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 1 | 364222 | 02/26/25 | 02/26/25 | YAH |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 363412 | 02/18/25 | 02/19/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 363412 | 02/18/25 | 02/19/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526321

| 526321-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363624 | 02/20/25 | 02/20/25 | EPL |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **34** | | mg/L | 1.0 | 0.24 | 1 | 363437 | 02/18/25 | 02/19/25 | DXA |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **720** | | NTU | 1.0 | 0.09 | 10 | 362949 | 02/13/25 18:55 | 02/13/25 18:55 | ARM |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **230** | | mg/L | 12 | | 5 | 363189 | 02/15/25 | 02/15/25 | WWC |
| Alkalinity, Total as CaCO3 | **230** | | mg/L | 10 | | 5 | 363189 | 02/15/25 | 02/15/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **1,260** | | umhos/cm | 1.0 | | 1 | 364423 | 02/27/25 | 02/27/25 | ARM |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **950** | | mg/L | 20 | | 2 | 363091 | 02/14/25 | 02/17/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **250** | | mg/L | 4.0 | 1.6 | 1 | 363178 | 02/15/25 | 02/15/25 | EPL |

H Holding time was exceeded
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1229365 | Batch: | 363063 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526198-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1229365 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 50.80 | 32.44 | 20.40 | mg/L | 90% | | 75-125 | 1 |
| Magnesium | 22.30 | 1.466 | 20.40 | mg/L | 102% | | 75-125 | 1 |
| Potassium | 26.22 | 2.631 | 24.00 | mg/L | 98% | | 75-125 | 1 |
| Sodium | 45.22 | 26.80 | 20.40 | mg/L | 90% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1229366 | Batch: | 363063 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526198-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1229366 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 50.72 | 32.44 | 20.40 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |
| Magnesium | 22.33 | 1.466 | 20.40 | mg/L | 102% | | 75-125 | 0 | 20 | 1 |
| Potassium | 26.18 | 2.631 | 24.00 | mg/L | 98% | | 75-125 | 0 | 20 | 1 |
| Sodium | 45.09 | 26.80 | 20.40 | mg/L | 90% | | 75-125 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1229367 | Batch: | 363063 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1229367 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 02/14/25 | 02/14/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 02/14/25 | 02/14/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 02/14/25 | 02/14/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 02/14/25 | 02/14/25 |

| Type: | Lab Control Sample | Lab ID: | QC1229368 | Batch: | 363063 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1229368 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 20.10 | 20.40 | mg/L | 99% | | 85-115 |
| Magnesium | 20.31 | 20.40 | mg/L | 100% | | 85-115 |
| Potassium | 22.95 | 24.00 | mg/L | 96% | | 85-115 |
| Sodium | 19.74 | 20.40 | mg/L | 97% | | 85-115 |

| Type: | Serial Dilution | Lab ID: | QC1229440 | Batch: | 363063 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526166-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1229440 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Calcium | 67.25 | 67.44 | mg/L | | | | 5 |
| Magnesium | 5.297 | 5.339 | mg/L | | | | 5 |
| Potassium | 21.95 | 22.67 | mg/L | | | | 5 |
| Sodium | 65.87 | 65.62 | mg/L | | | | 5 |

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# Batch QC

| Type: Blank | Lab ID: QC1229302 | Batch: 363046 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 200.8 |

| QC1229302 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | ug/L | 10 | 6.9 | 02/14/25 | 02/20/25 |
| Manganese | ND | | ug/L | 10 | 3.5 | 02/14/25 | 02/15/25 |

| Type: Lab Control Sample | Lab ID: QC1229303 | Batch: 363046 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 200.8 |

| QC1229303 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 85.22 | 100.0 | ug/L | 85% | | 85-115 |
| Manganese | 100.4 | 100.0 | ug/L | 100% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1229304 | Batch: 363046 |
|---|---|---|
| Matrix (Source ID): Water (526257-013) | Method: EPA 200.8 | Prep Method: EPA 200.8 |

| QC1229304 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 816.5 | 775.3 | 100.0 | ug/L | 41% | NM | 70-130 | 10 |
| Manganese | 116.9 | 18.27 | 100.0 | ug/L | 99% | | 70-130 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1229305 | Batch: 363046 |
|---|---|---|
| Matrix (Source ID): Water (526257-013) | Method: EPA 200.8 | Prep Method: EPA 200.8 |

| QC1229305 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 784.6 | 775.3 | 100.0 | ug/L | 9% | NM | 70-130 | 4 | 20 | 10 |
| Manganese | 111.5 | 18.27 | 100.0 | ug/L | 93% | | 70-130 | 5 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1229306 | Batch: 363046 |
|---|---|---|
| Matrix (Source ID): Water (526355-003) | Method: EPA 200.8 | Prep Method: EPA 200.8 |

| QC1229306 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 123.3 | 27.45 | 100.0 | ug/L | 96% | | 70-130 | 2 |
| Manganese | 111.9 | 8.390 | 100.0 | ug/L | 104% | | 70-130 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1229307 | Batch: 363046 |
|---|---|---|
| Matrix (Source ID): Water (526355-003) | Method: EPA 200.8 | Prep Method: EPA 200.8 |

| QC1229307 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 118.3 | 27.45 | 100.0 | ug/L | 91% | | 70-130 | 4 | 20 | 2 |
| Manganese | 110.5 | 8.390 | 100.0 | ug/L | 102% | | 70-130 | 1 | 20 | 1 |

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# Batch QC

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1229156 | **Batch:** 363006 |
| **Matrix:** Drinking Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1229156 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.072 | 02/13/25 17:20 | 02/13/25 19:49 |
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 02/13/25 17:20 | 02/13/25 19:49 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 02/13/25 17:20 | 02/13/25 19:49 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 02/13/25 17:20 | 02/13/25 19:49 |
| Sulfate | ND | | mg/L | 1.0 | 0.25 | 02/13/25 17:20 | 02/13/25 19:49 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1229157 | **Batch:** 363006 |
| **Matrix:** Drinking Water | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1229157 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.594 | 10.00 | mg/L | 96% | | 90-110 |
| Nitrogen, Nitrite | 4.537 | 4.567 | mg/L | 99% | | 90-110 |
| Bromide | 14.87 | 15.00 | mg/L | 99% | | 90-110 |
| Nitrogen, Nitrate | 4.467 | 4.518 | mg/L | 99% | | 90-110 |
| Sulfate | 25.19 | 25.00 | mg/L | 101% | | 90-110 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1229158 | **Batch:** 363006 |
| **Matrix (Source ID):** Water (526106-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1229158 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.40 | 0.1969 | 20.00 | mg/L | 96% | | 80-120 | 1 |
| Nitrogen, Nitrite | 9.032 | ND | 9.134 | mg/L | 99% | | 80-120 | 1 |
| Bromide | 14.74 | 0.1610 | 15.00 | mg/L | 97% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.566 | 0.7813 | 9.036 | mg/L | 97% | | 80-120 | 1 |
| Sulfate | 136.5 | 92.69 | 50.00 | mg/L | 88% | E | 80-120 | 1 |

| | | |
|---|---|---|
| **Type:** Matrix Spike Duplicate | **Lab ID:** QC1229159 | **Batch:** 363006 |
| **Matrix (Source ID):** Water (526106-001) | **Method:** EPA 300.0 | **Prep Method:** METHOD |

| QC1229159 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.55 | 0.1969 | 20.00 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrite | 9.096 | ND | 9.134 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |
| Bromide | 14.79 | 0.1610 | 15.00 | mg/L | 98% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 9.652 | 0.7813 | 9.036 | mg/L | 98% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 136.8 | 92.69 | 50.00 | mg/L | 88% | E | 80-120 | | 20 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1233240** | **Batch:** | **364222** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1233240 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 53.72 | 50.00 | ug/L | 107% | | 70-135 |
| MTBE | 56.26 | 50.00 | ug/L | 113% | | 70-130 |
| Benzene | 55.48 | 50.00 | ug/L | 111% | | 70-130 |
| Trichloroethene | 47.85 | 50.00 | ug/L | 96% | | 70-130 |
| Toluene | 46.80 | 50.00 | ug/L | 94% | | 70-130 |
| Chlorobenzene | 46.56 | 50.00 | ug/L | 93% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 49.96 | 50.00 | ug/L | 100% | | 70-130 |
| 1,2-Dichloroethane-d4 | 48.68 | 50.00 | ug/L | 97% | | 70-130 |
| Toluene-d8 | 46.04 | 50.00 | ug/L | 92% | | 70-130 |
| Bromofluorobenzene | 50.84 | 50.00 | ug/L | 102% | | 70-130 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1233241** | **Batch:** | **364222** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1233241 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 53.14 | 50.00 | ug/L | 106% | | 70-135 | 1 | 30 |
| MTBE | 56.30 | 50.00 | ug/L | 113% | | 70-130 | 0 | 30 |
| Benzene | 54.25 | 50.00 | ug/L | 109% | | 70-130 | 2 | 30 |
| Trichloroethene | 47.00 | 50.00 | ug/L | 94% | | 70-130 | 2 | 30 |
| Toluene | 45.58 | 50.00 | ug/L | 91% | | 70-130 | 3 | 30 |
| Chlorobenzene | 45.64 | 50.00 | ug/L | 91% | | 70-130 | 2 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 50.64 | 50.00 | ug/L | 101% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 49.13 | 50.00 | ug/L | 98% | | 70-130 | | |
| Toluene-d8 | 45.75 | 50.00 | ug/L | 91% | | 70-130 | | |
| Bromofluorobenzene | 50.41 | 50.00 | ug/L | 101% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1233242** | **Batch:** | **364222** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1233242 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 02/26/25 | 02/26/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 02/26/25 | 02/26/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 02/26/25 | 02/26/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| Acetone | ND | | ug/L | 100 | 16 | 02/26/25 | 02/26/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 02/26/25 | 02/26/25 |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 02/26/25 | 02/26/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 02/26/25 | 02/26/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 02/26/25 | 02/26/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 02/26/25 | 02/26/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 02/26/25 | 02/26/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 02/26/25 | 02/26/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 02/26/25 | 02/26/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 02/26/25 | 02/26/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 02/26/25 | 02/26/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/26/25 | 02/26/25 |

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# Batch QC

| QC1233242 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 02/26/25 | 02/26/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 02/26/25 | 02/26/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 02/26/25 | 02/26/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| Naphthalene | 0.2 | J | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/26/25 | 02/26/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 02/26/25 | 02/26/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 02/26/25 | 02/26/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 02/26/25 | 02/26/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 110% | | %REC | 70-130 | | 02/26/25 | 02/26/25 |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 02/26/25 | 02/26/25 |
| Toluene-d8 | 91% | | %REC | 70-130 | | 02/26/25 | 02/26/25 |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 02/26/25 | 02/26/25 |

**Type:** Matrix Spike **Lab ID:** QC1233321 **Batch:** 364222
**Matrix (Source ID):** Water (527394-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1233321 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 1,179 | ND | 1000 | ug/L | 118% | | 70-130 | 50 |
| MTBE | 1,194 | ND | 1000 | ug/L | 119% | | 75-130 | 50 |
| Benzene | 1,243 | 11.09 | 1000 | ug/L | 123% | | 70-130 | 50 |
| Trichloroethene | 1,095 | ND | 1000 | ug/L | 110% | | 63-130 | 50 |
| Toluene | 1,039 | ND | 1000 | ug/L | 104% | | 70-130 | 50 |
| Chlorobenzene | 1,047 | ND | 1000 | ug/L | 105% | | 70-130 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,517 | | 2500 | ug/L | 101% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,469 | | 2500 | ug/L | 99% | | 70-130 | 50 |
| Toluene-d8 | 2,282 | | 2500 | ug/L | 91% | | 70-130 | 50 |
| Bromofluorobenzene | 2,466 | | 2500 | ug/L | 99% | | 70-130 | 50 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1233322 | Batch: | 364222 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527394-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1233322 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 1,072 | ND | 1000 | ug/L | 107% | | 70-130 | 9 | 30 | 50 |
| MTBE | 1,094 | ND | 1000 | ug/L | 109% | | 75-130 | 9 | 30 | 50 |
| Benzene | 1,119 | 11.09 | 1000 | ug/L | 111% | | 70-130 | 11 | 30 | 50 |
| Trichloroethene | 971.1 | ND | 1000 | ug/L | 97% | | 63-130 | 12 | 30 | 50 |
| Toluene | 935.5 | ND | 1000 | ug/L | 94% | | 70-130 | 10 | 30 | 50 |
| Chlorobenzene | 954.6 | ND | 1000 | ug/L | 95% | | 70-130 | 9 | 30 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,499 | | 2500 | ug/L | 100% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,432 | | 2500 | ug/L | 97% | | 70-130 | | | 50 |
| Toluene-d8 | 2,297 | | 2500 | ug/L | 92% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,480 | | 2500 | ug/L | 99% | | 70-130 | | | 50 |

| Type: | Blank | Lab ID: | QC1230589 | Batch: | 363412 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1230589 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 02/18/25 | 02/18/25 |
| **Surrogates** | | | | Limits | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 02/18/25 | 02/18/25 |

| Type: | Lab Control Sample | Lab ID: | QC1230590 | Batch: | 363412 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1230590 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.617 | 10.00 | ug/L | 86% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.06 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1230591 | Batch: | 363412 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1230591 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.824 | 10.00 | ug/L | 88% | | 80-120 | 2 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.882 | 10.00 | ug/L | 99% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1231292 | Batch: | 363624 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1231292 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 02/20/25 | 02/20/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1231293 **Batch:** 363624
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1231293 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1231294 **Batch:** 363624
**Matrix (Source ID):** Drinking Water (526290-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1231294 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | ND | 1.000 | mg/L | 90% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1231821 **Batch:** 363624
**Matrix (Source ID):** Drinking Water (526290-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1231821 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | ND | 1.000 | mg/L | 90% | | 80-120 | 0 | 20 | 1 |

**Type:** Matrix Spike **Lab ID:** QC1230642 **Batch:** 363437
**Matrix (Source ID):** Water (525518-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1230642 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 35.28 | 6.811 | 25.00 | mg/L | 114% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1230643 **Batch:** 363437
**Matrix (Source ID):** Water (525518-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1230643 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 35.28 | 6.811 | 25.00 | mg/L | 114% | | 75-125 | 0 | 25 | 1 |

**Type:** Blank **Lab ID:** QC1230644 **Batch:** 363437
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1230644 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.24 | 02/18/25 | 02/18/25 |

**Type:** Lab Control Sample **Lab ID:** QC1230645 **Batch:** 363437
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1230645 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 24.91 | 25.00 | mg/L | 100% | | 85-115 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Sample Duplicate | Lab ID: QC1230087 | Batch: 362949 |
|---|---|---|
| Matrix (Source ID): Water (526160-002) | Method: SM2130B | |

| QC1230087 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Turbidity | 13.50 | 13.30 | NTU | | 1 | 20 | 1 |

| Type: Blank | Lab ID: QC1229797 | Batch: 363189 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1229797 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Bicarbonate | ND | | mg/L | 2.0 | | 02/15/25 | 02/15/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 02/15/25 | 02/15/25 |

| Type: Lab Control Sample | Lab ID: QC1229798 | Batch: 363189 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2320B | Prep Method: METHOD |

| QC1229798 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 923.4 | 1000 | mg/L | 92% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1229799 | Batch: 363189 |
|---|---|---|
| Matrix (Source ID): Water (525897-003) | Method: SM2320B | Prep Method: METHOD |

| QC1229799 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Bicarbonate | 266.7 | 262.3 | mg/L | | 2 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 218.6 | 215.0 | mg/L | | 2 | 20 | 2.5 |

| Type: Blank | Lab ID: QC1235006 | Batch: 364786 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1235006 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Bicarbonate | ND | | mg/L | 2.0 | | 03/03/25 | 03/03/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 03/03/25 | 03/03/25 |

| Type: Lab Control Sample | Lab ID: QC1235007 | Batch: 364786 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1235007 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 919.8 | 1000 | mg/L | 92% | | 90-110 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Sample Duplicate | Lab ID: | QC1235190 | Batch: | 364786 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527513-001) | Method: | SM2320B | Prep Method: | METHOD |

| QC1235190 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Bicarbonate | 237.4 | 241.3 | mg/L | | 2 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 194.6 | 197.8 | mg/L | | 2 | 20 | 2.5 |

| Type: | Sample Duplicate | Lab ID: | QC1233833 | Batch: | 364423 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Drinking Water (526278-001) | Method: | SM2510B | Prep Method: | METHOD |

| QC1233833 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 5,233 | 5204 | umhos/cm | | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1229427 | Batch: | 363091 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1229427 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 10 | | 02/14/25 | 02/17/25 |

| Type: | Lab Control Sample | Lab ID: | QC1229428 | Batch: | 363091 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1229428 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,001 | 1000 | mg/L | 100% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1229430 | Batch: | 363091 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526021-007) | Method: | SM2540C | Prep Method: | METHOD |

| QC1229430 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 4,572 | 4640 | mg/L | | 1 | 5 | 4 |

| Type: | Blank | Lab ID: | QC1229747 | Batch: | 363178 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM5220D | Prep Method: | METHOD |

| QC1229747 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 02/15/25 | 02/15/25 |

| Type: | Lab Control Sample | Lab ID: | QC1229748 | Batch: | 363178 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM5220D | Prep Method: | METHOD |

| QC1229748 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,036 | 1000 | mg/L | 104% | | 90-110 |

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1229749** | **Batch:** | **363178** |
| **Matrix (Source ID):** | **Water (526267-003)** | **Method:** | **SM5220D** | **Prep Method:** | **METHOD** |

| QC1229749 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,658 | 624.0 | 1000 | mg/L | 103% | | 75-125 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1229750** | **Batch:** | **363178** |
| **Matrix (Source ID):** | **Water (526267-003)** | **Method:** | **SM5220D** | **Prep Method:** | **METHOD** |

| QC1229750 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,644 | 624.0 | 1000 | mg/L | 102% | | 75-125 | 1 | 20 | 2 |

| | |
|---|---|
| E | Response exceeds instrument's linear range |
| J | Estimated value |
| ND | Not Detected |
| NM | Not Meaningful |

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 526326
Report Level : II
Report Date : 02/27/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - SW - APPENDIX II

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 526326 |
| Project No: | SW - APPENDIX II |
| Location: | SW - APPENDIX II |
| Date Received: | 02/13/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 526326-001 | 02/13/25 09:00 | Water |
| SOUTH BASIN - EASTERN INLET | 526326-002 | 02/13/25 08:15 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 526326<br>Project No: SW - APPENDIX II<br>Location: SW - APPENDIX II<br>Date Received: 02/13/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 02/13/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recoveries were observed for 1,1-dichloroethene and MTBE in the MS for batch 363202; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS (EPA 8270C):**

- Low surrogate recovery was observed for 2-fluorophenol in SOUTH BASIN - EASTERN INLET (lab # 526326-002).
- Low surrogate recovery was observed for phenol-d6 in SOUTH BASIN - EASTERN INLET (lab # 526326-002).
- Low surrogate recovery was observed for 2,4,6-tribromophenol in SOUTH BASIN - EASTERN INLET (lab # 526326-002).
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**

- SOUTH BASIN - EASTERN INLET (lab # 526326-002) was diluted due to the dark color of the sample extract.
- No other analytical problems were encountered.

**Pesticides (EPA 8081A):**

- High recoveries were observed for many analytes in the BSD for batch 363184; the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated samples.
- No other analytical problems were encountered.

**PCBs (EPA 8082):**

No analytical problems were encountered.

**Metals (EPA 200.8 and EPA 245.1):**

- Low recoveries were observed for barium in the MS/MSD for batch 363046; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

**Total Phenolics (EPA 420.1):**

No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**

No analytical problems were encountered.

**Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):**

No analytical problems were encountered.

**Organophosphorus Pesticides (EPA 8141A):**
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

**8151A Chlorinated Herbicides (EPA 8151A):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

**Dioxins & Furans (EPA 8290):**
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

SWT Civil & Environmental ENGINEERING

Login 526326

FGL

526326

# Chain of Custody

Pg 4 of 4

| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |

**Additionally Report To**

stormwater@wasteconnections.com
tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910

Sampler Name: M Tuggle

**Project Information**

Project ID: Chiquita Canyon Landfill - Appendix II Parameters

Project Number:

**TAT**

| Standard | Rush |
|---|---|
| 10 Days ● | ___ Days / Hours ○ |

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Container: Poly | Container: Glass | Container: Sleeve | Container: Other | Preservative: HCl | Preservative: HNO3 | Preservative: H2SO4 | Preservative: Other | Preservative: None | Matrix: Water | Matrix: Soil | Matrix: Other | Total Number of Containers per Sample ID | Analysis Request: 8260 Appendix II* | 8270 Appendix II* | 8081-8082* | 8141A* | 8151A* | Metals, Total** | Total Cyanide | Total Phenols, Sulfides | 8290 2378TCDD | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH Basin- Western Inlet | 2/13 | 0900 | X | X | X | | | X | X | X | X | | X | | | 15 | X | X | X | X | X | X | X | X | X | | | Field pH: 8.92 |
| SOUTH Basin- Eastern Inlet | 2/13 | 0815 | X | X | X | | | X | X | X | X | | X | | | 15 | X | X | X | X | X | X | X | X | X | | | Field pH: 9.17 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Notes**

**Special Requirments/Billing Info:**

*Report only the compounds on the 40CFR258 Appx II list
** Metals; Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, Sn, V, Zn

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| Matt Tuggle | MARTHA LINARES | 2/13/25 | 1320 |
| MARTHA LINARES | | 2/13/25 | 1512 |

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: Mileage: Misc. Supplies:

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 2/13/25 WO# 526326 Client: Waste Connections Chiquita Canyon Landfill

**Section 2: Shipping / Custody** **Are custody seals present?** ■ **Yes** ☐ **No**

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/13/25 By (initials) GCK Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 2.8 / 2.9 #2: 3.4 / 3.5 #3: 8.2 / 8.3 #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | ✓ | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓ | | |
| 7) Does the container count match the CoC? | ✓ | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | ✓ | | |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | ✓ | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 2/13/25 **By (print)** G. Kim **(sign)** _____

**Date Labeled** 2/13/25 **By (print)** Orange **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 526326

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 526326
Project No: SW - APPENDIX II
Location: SW - APPENDIX II
Date Received: 02/13/25

**Sample ID:** SOUTH BASIN - WESTERN INLET | **Lab ID:** 526326-001 | **Matrix:** Water | **Collected:** 02/13/25 09:00

| 526326-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 200.8 | | | | | | | | | | |
| Tin | ND | | ug/L | 5.0 | 0.59 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Antimony | ND | | ug/L | 2.0 | 0.53 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Arsenic | **15** | | ug/L | 2.0 | 0.18 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Barium | **1,000** | | ug/L | 100 | 23 | 20 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Beryllium | **3.6** | J | ug/L | 20 | 2.6 | 20 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Cadmium | **1.2** | | ug/L | 1.0 | 0.55 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Chromium | **90** | | ug/L | 5.0 | 0.79 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Cobalt | **49** | | ug/L | 1.0 | 0.11 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Copper | **120** | | ug/L | 3.0 | 0.79 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Lead | **74** | | ug/L | 5.0 | 0.42 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Nickel | **94** | | ug/L | 5.0 | 0.67 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Selenium | **6.2** | | ug/L | 2.0 | 1.5 | 1 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Silver | **0.58** | J | ug/L | 5.0 | 0.14 | 1 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Thallium | **0.61** | J | ug/L | 1.0 | 0.18 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Vanadium | **130** | | ug/L | 5.0 | 0.56 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Zinc | **490** | | ug/L | 10 | 6.2 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | **0.36** | J | ug/L | 0.40 | 0.17 | 1 | 363428 | 02/18/25 | 02/20/25 | MLL |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | **0.032** | | mg/L | 0.010 | 0.0047 | 1 | 363433 | 02/18/25 | 02/19/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.2 | 0.08 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| beta-BHC | ND | | ug/L | 0.2 | 0.08 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| gamma-BHC | ND | | ug/L | 0.2 | 0.07 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| delta-BHC | ND | | ug/L | 0.2 | 0.07 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Heptachlor | ND | | ug/L | 0.2 | 0.05 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aldrin | ND | | ug/L | 0.2 | 0.08 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Heptachlor epoxide | ND | | ug/L | 0.2 | 0.07 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endosulfan I | ND | | ug/L | 0.2 | 0.08 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Dieldrin | ND | | ug/L | 0.4 | 0.05 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| 4,4'-DDE | ND | | ug/L | 0.4 | 0.07 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endrin | ND | | ug/L | 0.4 | 0.06 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endosulfan II | ND | | ug/L | 0.4 | 0.09 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endosulfan sulfate | ND | | ug/L | 0.4 | 0.07 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| 4,4'-DDD | ND | | ug/L | 0.4 | 0.1 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endrin aldehyde | ND | | ug/L | 0.4 | 0.1 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endrin ketone | ND | | ug/L | 0.4 | 0.1 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526326

| 526326-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | ND | | ug/L | 0.4 | 0.1 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Methoxychlor | ND | | ug/L | 0.4 | 0.3 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Toxaphene | ND | | ug/L | 8.0 | 3.3 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Chlordane (Technical) | ND | | ug/L | 4.0 | 1.0 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| TCMX | 96% | | %REC | 14-120 | | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Decachlorobiphenyl | 90% | | %REC | 20-120 | | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 2.0 | 1.5 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1221 | ND | | ug/L | 2.0 | 1.6 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1232 | ND | | ug/L | 2.0 | 1.4 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1242 | ND | | ug/L | 2.0 | 1.4 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1248 | ND | | ug/L | 2.0 | 1.4 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1254 | ND | | ug/L | 2.0 | 0.72 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1260 | ND | | ug/L | 2.0 | 1.8 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1262 | ND | | ug/L | 2.0 | 1.6 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1268 | ND | | ug/L | 2.0 | 1.0 | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 78% | | %REC | 18-126 | | 4 | 363184 | 02/15/25 | 02/17/25 | MES |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.5 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Ethanol | ND | | ug/L | 500 | 320 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.7 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Isopropanol (IPA) | ND | | ug/L | 200 | 73 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 4.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Iodomethane | ND | | ug/L | 7.6 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Methylene Chloride | ND | | ug/L | 10 | 2.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 2-Butanone | **2.3** | J | ug/L | 10 | 1.7 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 526326

| 526326-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.0 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| TIC: | ND | | | | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |

| Surrogates | Limits |
|---|---|

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526326

| 526326-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 83% | | %REC | 70-130 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dichloroethane-d4 | 87% | | %REC | 70-130 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 2.0 | 0.84 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 2.0 | 0.96 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Naphthalene | ND | | ug/L | 2.0 | 0.84 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Acenaphthylene | ND | | ug/L | 2.0 | 0.87 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Acenaphthene | ND | | ug/L | 2.0 | 0.78 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Fluorene | ND | | ug/L | 2.0 | 0.80 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Phenanthrene | ND | | ug/L | 2.0 | 0.73 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Anthracene | ND | | ug/L | 2.0 | 0.79 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Fluoranthene | ND | | ug/L | 2.0 | 0.76 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Pyrene | ND | | ug/L | 2.0 | 0.77 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 2.0 | 0.58 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Chrysene | ND | | ug/L | 2.0 | 0.67 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 2.0 | 0.62 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 2.0 | 0.73 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Benzo(a)pyrene | ND | | ug/L | 2.0 | 0.70 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 2.0 | 0.62 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 2.0 | 0.70 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 2.0 | 0.71 | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 77% | | %REC | 16-125 | | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| 2-Fluorobiphenyl | 76% | | %REC | 17-120 | | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Terphenyl-d14 | 101% | | %REC | 39-123 | | 4 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 40 | 9.2 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Pyridine | ND | | ug/L | 40 | 15 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| N-Nitrosodimethylamine | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Phenol | ND | | ug/L | 40 | 14 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Aniline | ND | | ug/L | 40 | 18 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| bis(2-Chloroethyl)ether | ND | | ug/L | 100 | 12 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Chlorophenol | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 1,3-Dichlorobenzene | ND | | ug/L | 40 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 1,4-Dichlorobenzene | ND | | ug/L | 40 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzyl alcohol | ND | | ug/L | 40 | 23 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 1,2-Dichlorobenzene | ND | | ug/L | 40 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Methylphenol | ND | | ug/L | 40 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 3-,4-Methylphenol | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 40 | 15 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Hexachloroethane | ND | | ug/L | 40 | 15 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Nitrobenzene | ND | | ug/L | 100 | 25 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Isophorone | ND | | ug/L | 40 | 7.5 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Nitrophenol | ND | | ug/L | 40 | 22 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4-Dimethylphenol | ND | | ug/L | 40 | 18 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzoic acid | ND | | ug/L | 200 | 77 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526326

| 526326-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| bis(2-Chloroethoxy)methane | ND | | ug/L | 40 | 9.0 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4-Dichlorophenol | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Naphthalene | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4-Chloroaniline | ND | | ug/L | 40 | 9.1 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Hexachlorobutadiene | ND | | ug/L | 40 | 16 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4-Chloro-3-methylphenol | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 40 | 9.7 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Hexachlorocyclopentadiene | ND | | ug/L | 100 | 19 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4,6-Trichlorophenol | ND | | ug/L | 40 | 8.9 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4,5-Trichlorophenol | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Chloronaphthalene | ND | | ug/L | 40 | 9.6 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Nitroaniline | ND | | ug/L | 200 | 15 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Dimethylphthalate | ND | | ug/L | 40 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 40 | 8.9 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,6-Dinitrotoluene | ND | | ug/L | 40 | 15 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 3-Nitroaniline | ND | | ug/L | 40 | 7.4 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Acenaphthene | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4-Dinitrophenol | ND | | ug/L | 200 | 14 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4-Nitrophenol | ND | | ug/L | 40 | 5.9 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Dibenzofuran | ND | | ug/L | 40 | 8.8 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4-Dinitrotoluene | ND | | ug/L | 40 | 12 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Diethylphthalate | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Fluorene | ND | | ug/L | 40 | 8.6 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 40 | 9.7 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4-Nitroaniline | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 200 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| N-Nitrosodiphenylamine | ND | | ug/L | 40 | 16 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 40 | 9.3 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4-Bromophenyl-phenylether | ND | | ug/L | 40 | 9.3 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Hexachlorobenzene | ND | | ug/L | 40 | 9.8 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Pentachlorophenol | ND | | ug/L | 100 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Phenanthrene | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Anthracene | ND | | ug/L | 40 | 8.6 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Di-n-butylphthalate | ND | | ug/L | 40 | 9.7 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Fluoranthene | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzidine | ND | | ug/L | 200 | 62 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Pyrene | ND | | ug/L | 40 | 9.6 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Butylbenzylphthalate | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 100 | 12 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 40 | 8.5 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Chrysene | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| bis(2-Ethylhexyl)phthalate | **13** | J | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Di-n-octylphthalate | ND | | ug/L | 40 | 19 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 40 | 9.4 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 40 | 9.5 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 40 | 8.7 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 40 | 22 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 40 | 30 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 40 | 14 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526326

| 526326-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:Acetophenone | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:Chlorobenzilate | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:Diallate | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:Thionazin | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 64% | | %REC | 10-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Phenol-d6 | 52% | | %REC | 10-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4,6-Tribromophenol | 82% | | %REC | 12-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Nitrobenzene-d5 | 64% | | %REC | 10-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Fluorobiphenyl | 61% | | %REC | 11-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Terphenyl-d14 | 67% | | %REC | 20-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 0.5 | 363408 | 02/18/25 | 02/18/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363624 | 02/20/25 | 02/20/25 | EPL |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526326

| Sample ID: | Lab ID: 526326-002 | Collected: 02/13/25 08:15 |
|---|---|---|
| SOUTH BASIN - EASTERN INLET | Matrix: Water | |

| 526326-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 200.8 | | | | | | | | | | |
| Tin | ND | | ug/L | 5.0 | 0.59 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Antimony | **1.5** | J | ug/L | 2.0 | 0.53 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Arsenic | **35** | | ug/L | 2.0 | 0.18 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Barium | **1,700** | | ug/L | 100 | 23 | 20 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Beryllium | **4.5** | J | ug/L | 20 | 2.6 | 20 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Cadmium | **3.1** | | ug/L | 1.0 | 0.55 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Chromium | **130** | | ug/L | 5.0 | 0.79 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Cobalt | **65** | | ug/L | 1.0 | 0.11 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Copper | **200** | | ug/L | 3.0 | 0.79 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Lead | **140** | | ug/L | 5.0 | 0.42 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Nickel | **130** | | ug/L | 5.0 | 0.67 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Selenium | **12** | | ug/L | 2.0 | 1.5 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Silver | **0.93** | J | ug/L | 5.0 | 0.14 | 1 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Thallium | **0.85** | J | ug/L | 1.0 | 0.18 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Vanadium | **190** | | ug/L | 5.0 | 0.56 | 1 | 363046 | 02/14/25 | 02/15/25 | KAM |
| Zinc | **890** | | ug/L | 200 | 120 | 20 | 363046 | 02/14/25 | 02/20/25 | KAM |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | **0.76** | | ug/L | 0.40 | 0.17 | 1 | 363428 | 02/18/25 | 02/20/25 | MLL |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | **0.017** | | mg/L | 0.010 | 0.0047 | 1 | 363433 | 02/18/25 | 02/19/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.1 | 0.04 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| beta-BHC | ND | | ug/L | 0.1 | 0.04 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| gamma-BHC | ND | | ug/L | 0.1 | 0.03 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| delta-BHC | ND | | ug/L | 0.1 | 0.03 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Heptachlor | ND | | ug/L | 0.1 | 0.02 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aldrin | ND | | ug/L | 0.1 | 0.04 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Heptachlor epoxide | ND | | ug/L | 0.1 | 0.04 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endosulfan I | ND | | ug/L | 0.1 | 0.04 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Dieldrin | ND | | ug/L | 0.2 | 0.03 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| 4,4'-DDE | ND | | ug/L | 0.2 | 0.03 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endrin | ND | | ug/L | 0.2 | 0.03 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endosulfan II | ND | | ug/L | 0.2 | 0.04 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endosulfan sulfate | ND | | ug/L | 0.2 | 0.04 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| 4,4'-DDD | ND | | ug/L | 0.2 | 0.05 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endrin aldehyde | ND | | ug/L | 0.2 | 0.05 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Endrin ketone | ND | | ug/L | 0.2 | 0.05 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| 4,4'-DDT | ND | | ug/L | 0.2 | 0.07 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Methoxychlor | ND | | ug/L | 0.2 | 0.1 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Toxaphene | ND | | ug/L | 4.0 | 1.6 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Chlordane (Technical) | ND | | ug/L | 2.0 | 0.5 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526326

| 526326-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TCMX | 102% | | %REC | 14-120 | | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Decachlorobiphenyl | 97% | | %REC | 20-120 | | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 1.0 | 0.74 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1221 | ND | | ug/L | 1.0 | 0.82 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1232 | ND | | ug/L | 1.0 | 0.72 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1242 | ND | | ug/L | 1.0 | 0.69 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1248 | ND | | ug/L | 1.0 | 0.69 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1254 | ND | | ug/L | 1.0 | 0.36 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1260 | ND | | ug/L | 1.0 | 0.90 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1262 | ND | | ug/L | 1.0 | 0.79 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Aroclor-1268 | ND | | ug/L | 1.0 | 0.50 | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 84% | | %REC | 18-126 | | 2 | 363184 | 02/15/25 | 02/17/25 | MES |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.5 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Ethanol | ND | | ug/L | 500 | 320 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.7 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Isopropanol (IPA) | ND | | ug/L | 200 | 73 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 4.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Iodomethane | ND | | ug/L | 7.6 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Acetone | ND | | ug/L | 100 | 21 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Methylene Chloride | ND | | ug/L | 10 | 2.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 2-Butanone | **2.0** | J | ug/L | 10 | 1.7 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526326

| 526326-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.0 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| TIC: | ND | | | | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 83% | | %REC | 70-130 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| 1,2-Dichloroethane-d4 | 86% | | %REC | 70-130 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 363202 | 02/16/25 | 02/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526326

| 526326-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 2.5 | 1.1 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 2.5 | 1.2 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Naphthalene | ND | | ug/L | 2.5 | 1.1 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Acenaphthylene | ND | | ug/L | 2.5 | 1.1 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Acenaphthene | ND | | ug/L | 2.5 | 0.99 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Fluorene | ND | | ug/L | 2.5 | 1.0 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Phenanthrene | ND | | ug/L | 2.5 | 0.92 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Anthracene | ND | | ug/L | 2.5 | 1.0 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Fluoranthene | ND | | ug/L | 2.5 | 0.95 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Pyrene | ND | | ug/L | 2.5 | 0.98 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 2.5 | 0.74 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Chrysene | ND | | ug/L | 2.5 | 0.85 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 2.5 | 0.78 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 2.5 | 0.92 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Benzo(a)pyrene | ND | | ug/L | 2.5 | 0.88 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 2.5 | 0.78 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 2.5 | 0.88 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 2.5 | 0.90 | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 79% | | %REC | 16-125 | | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| 2-Fluorobiphenyl | 80% | | %REC | 17-120 | | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Terphenyl-d14 | 93% | | %REC | 39-123 | | 5.1 | 363064 | 02/14/25 | 02/15/25 | XLY |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 40 | 9.2 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Pyridine | ND | | ug/L | 40 | 15 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| N-Nitrosodimethylamine | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Phenol | ND | | ug/L | 40 | 14 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Aniline | ND | | ug/L | 40 | 18 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| bis(2-Chloroethyl)ether | ND | | ug/L | 100 | 12 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Chlorophenol | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 1,3-Dichlorobenzene | ND | | ug/L | 40 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 1,4-Dichlorobenzene | ND | | ug/L | 40 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzyl alcohol | ND | | ug/L | 40 | 23 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 1,2-Dichlorobenzene | ND | | ug/L | 40 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Methylphenol | ND | | ug/L | 40 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 3-,4-Methylphenol | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 40 | 15 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Hexachloroethane | ND | | ug/L | 40 | 15 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Nitrobenzene | ND | | ug/L | 100 | 25 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Isophorone | ND | | ug/L | 40 | 7.5 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Nitrophenol | ND | | ug/L | 40 | 22 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4-Dimethylphenol | ND | | ug/L | 40 | 18 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzoic acid | ND | | ug/L | 200 | 77 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 40 | 9.0 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4-Dichlorophenol | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Naphthalene | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526326

| 526326-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Chloroaniline | ND | | ug/L | 40 | 9.1 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Hexachlorobutadiene | ND | | ug/L | 40 | 16 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4-Chloro-3-methylphenol | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 40 | 9.7 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Hexachlorocyclopentadiene | ND | | ug/L | 100 | 19 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4,6-Trichlorophenol | ND | | ug/L | 40 | 8.9 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4,5-Trichlorophenol | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Chloronaphthalene | ND | | ug/L | 40 | 9.6 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Nitroaniline | ND | | ug/L | 200 | 15 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Dimethylphthalate | ND | | ug/L | 40 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 40 | 8.9 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,6-Dinitrotoluene | ND | | ug/L | 40 | 15 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 3-Nitroaniline | ND | | ug/L | 40 | 7.4 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Acenaphthene | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4-Dinitrophenol | ND | | ug/L | 200 | 14 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4-Nitrophenol | ND | | ug/L | 40 | 5.9 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Dibenzofuran | ND | | ug/L | 40 | 8.8 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4-Dinitrotoluene | ND | | ug/L | 40 | 12 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Diethylphthalate | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Fluorene | ND | | ug/L | 40 | 8.6 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 40 | 9.7 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4-Nitroaniline | ND | | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 200 | 13 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| N-Nitrosodiphenylamine | ND | | ug/L | 40 | 16 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 40 | 9.3 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 4-Bromophenyl-phenylether | ND | | ug/L | 40 | 9.3 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Hexachlorobenzene | ND | | ug/L | 40 | 9.8 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Pentachlorophenol | ND | | ug/L | 100 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Phenanthrene | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Anthracene | ND | | ug/L | 40 | 8.6 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Di-n-butylphthalate | ND | | ug/L | 40 | 9.7 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Fluoranthene | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzidine | ND | | ug/L | 200 | 62 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Pyrene | ND | | ug/L | 40 | 9.6 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Butylbenzylphthalate | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 100 | 12 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 40 | 8.5 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Chrysene | ND | | ug/L | 40 | 10 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| bis(2-Ethylhexyl)phthalate | **12** | J | ug/L | 40 | 11 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Di-n-octylphthalate | ND | | ug/L | 40 | 19 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 40 | 9.4 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 40 | 9.5 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 40 | 8.7 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 40 | 22 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 40 | 30 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 40 | 14 | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:Acetophenone | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 526326

| 526326-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:Chlorobenzilate | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:Diallate | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:Thionazin | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 1% | * | %REC | 10-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Phenol-d6 | 1% | * | %REC | 10-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2,4,6-Tribromophenol | 5% | * | %REC | 12-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Nitrobenzene-d5 | 29% | | %REC | 10-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| 2-Fluorobiphenyl | 29% | | %REC | 11-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Terphenyl-d14 | 31% | | %REC | 20-140 | | 4 | 363056 | 02/14/25 | 02/14/25 | ZFA |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 0.5 | 363408 | 02/18/25 | 02/18/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 363624 | 02/20/25 | 02/20/25 | EPL |

* Value is outside QC limits
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1229302** | **Batch:** | **363046** |
| **Matrix:** | **Water** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 200.8** |

| QC1229302 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Tin | ND | | ug/L | 5.0 | 0.59 | 02/14/25 | 02/15/25 |
| Antimony | ND | | ug/L | 2.0 | 0.53 | 02/14/25 | 02/15/25 |
| Arsenic | ND | | ug/L | 2.0 | 0.18 | 02/14/25 | 02/15/25 |
| Barium | ND | | ug/L | 5.0 | 1.2 | 02/14/25 | 02/15/25 |
| Beryllium | ND | | ug/L | 1.0 | 0.23 | 02/14/25 | 02/20/25 |
| Cadmium | ND | | ug/L | 1.0 | 0.55 | 02/14/25 | 02/15/25 |
| Chromium | ND | | ug/L | 5.0 | 0.79 | 02/14/25 | 02/15/25 |
| Cobalt | ND | | ug/L | 1.0 | 0.11 | 02/14/25 | 02/15/25 |
| Copper | ND | | ug/L | 3.0 | 0.79 | 02/14/25 | 02/15/25 |
| Lead | ND | | ug/L | 5.0 | 0.42 | 02/14/25 | 02/15/25 |
| Nickel | ND | | ug/L | 5.0 | 0.67 | 02/14/25 | 02/15/25 |
| Selenium | ND | | ug/L | 2.0 | 1.5 | 02/14/25 | 02/15/25 |
| Silver | ND | | ug/L | 5.0 | 0.17 | 02/14/25 | 02/20/25 |
| Thallium | ND | | ug/L | 1.0 | 0.18 | 02/14/25 | 02/15/25 |
| Vanadium | ND | | ug/L | 5.0 | 0.56 | 02/14/25 | 02/15/25 |
| Zinc | ND | | ug/L | 10 | 6.2 | 02/14/25 | 02/15/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1229303** | **Batch:** | **363046** |
| **Matrix:** | **Water** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 200.8** |

| QC1229303 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Tin | 105.5 | 100.0 | ug/L | 105% | | 85-115 |
| Antimony | 103.3 | 100.0 | ug/L | 103% | | 85-115 |
| Arsenic | 96.81 | 100.0 | ug/L | 97% | | 85-115 |
| Barium | 88.55 | 100.0 | ug/L | 89% | | 85-115 |
| Beryllium | 98.40 | 100.0 | ug/L | 98% | | 85-115 |
| Cadmium | 89.88 | 100.0 | ug/L | 90% | | 85-115 |
| Chromium | 103.2 | 100.0 | ug/L | 103% | | 85-115 |
| Cobalt | 113.7 | 100.0 | ug/L | 114% | | 85-115 |
| Copper | 108.9 | 100.0 | ug/L | 109% | | 85-115 |
| Lead | 93.93 | 100.0 | ug/L | 94% | | 85-115 |
| Nickel | 107.5 | 100.0 | ug/L | 108% | | 85-115 |
| Selenium | 92.12 | 100.0 | ug/L | 92% | | 85-115 |
| Silver | 52.44 | 50.00 | ug/L | 105% | | 85-115 |
| Thallium | 101.1 | 100.0 | ug/L | 101% | | 85-115 |
| Vanadium | 102.0 | 100.0 | ug/L | 102% | | 85-115 |
| Zinc | 100.5 | 100.0 | ug/L | 100% | | 85-115 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1229304 | Batch: | 363046 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526257-013) | Method: | EPA 200.8 | Prep Method: | EPA 200.8 |

| QC1229304 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 141.5 | 49.46 | 100.0 | ug/L | 92% | | 70-130 | 10 |
| Antimony | 111.2 | 1.434 | 100.0 | ug/L | 110% | | 70-130 | 1 |
| Arsenic | 115.7 | 15.45 | 100.0 | ug/L | 100% | | 70-130 | 1 |
| Barium | 278.0 | 212.4 | 100.0 | ug/L | 66% | * | 70-130 | 1 |
| Beryllium | 93.88 | ND | 100.0 | ug/L | 94% | | 70-130 | 10 |
| Cadmium | 89.35 | ND | 100.0 | ug/L | 89% | | 70-130 | 1 |
| Chromium | 102.1 | 1.473 | 100.0 | ug/L | 101% | | 70-130 | 1 |
| Cobalt | 111.0 | 1.640 | 100.0 | ug/L | 109% | | 70-130 | 10 |
| Copper | 119.7 | 16.07 | 100.0 | ug/L | 104% | | 70-130 | 1 |
| Lead | 97.71 | ND | 100.0 | ug/L | 98% | | 70-130 | 1 |
| Nickel | 103.5 | 3.274 | 100.0 | ug/L | 100% | | 70-130 | 1 |
| Selenium | 136.2 | 44.72 | 100.0 | ug/L | 92% | | 70-130 | 1 |
| Silver | 48.33 | ND | 50.00 | ug/L | 97% | | 70-130 | 10 |
| Thallium | 101.6 | ND | 100.0 | ug/L | 102% | | 70-130 | 1 |
| Vanadium | 137.6 | 34.05 | 100.0 | ug/L | 104% | | 70-130 | 1 |
| Zinc | 410.9 | 304.8 | 100.0 | ug/L | 106% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1229305 | Batch: | 363046 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526257-013) | Method: | EPA 200.8 | Prep Method: | EPA 200.8 |

| QC1229305 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 143.4 | 49.46 | 100.0 | ug/L | 94% | | 70-130 | 1 | 20 | 10 |
| Antimony | 103.7 | 1.434 | 100.0 | ug/L | 102% | | 70-130 | 7 | 20 | 1 |
| Arsenic | 106.8 | 15.45 | 100.0 | ug/L | 91% | | 70-130 | 8 | 20 | 1 |
| Barium | 257.8 | 212.4 | 100.0 | ug/L | 45% | * | 70-130 | 8 | 20 | 1 |
| Beryllium | 102.9 | ND | 100.0 | ug/L | 103% | | 70-130 | 9 | 20 | 10 |
| Cadmium | 83.18 | ND | 100.0 | ug/L | 83% | | 70-130 | 7 | 20 | 1 |
| Chromium | 97.84 | 1.473 | 100.0 | ug/L | 96% | | 70-130 | 4 | 20 | 1 |
| Cobalt | 111.2 | 1.640 | 100.0 | ug/L | 110% | | 70-130 | 0 | 20 | 10 |
| Copper | 114.0 | 16.07 | 100.0 | ug/L | 98% | | 70-130 | 5 | 20 | 1 |
| Lead | 91.02 | ND | 100.0 | ug/L | 91% | | 70-130 | 7 | 20 | 1 |
| Nickel | 98.57 | 3.274 | 100.0 | ug/L | 95% | | 70-130 | 5 | 20 | 1 |
| Selenium | 126.2 | 44.72 | 100.0 | ug/L | 81% | | 70-130 | 8 | 20 | 1 |
| Silver | 50.74 | ND | 50.00 | ug/L | 101% | | 70-130 | 5 | 20 | 10 |
| Thallium | 96.86 | ND | 100.0 | ug/L | 97% | | 70-130 | 5 | 20 | 1 |
| Vanadium | 130.9 | 34.05 | 100.0 | ug/L | 97% | | 70-130 | 5 | 20 | 1 |
| Zinc | 379.8 | 304.8 | 100.0 | ug/L | 75% | | 70-130 | 8 | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1229306 | Batch: | 363046 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526355-003) | Method: | EPA 200.8 | Prep Method: | EPA 200.8 |

| QC1229306 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 105.3 | ND | 100.0 | ug/L | 105% | | 70-130 | 1 |
| Antimony | 112.0 | 3.155 | 100.0 | ug/L | 109% | | 70-130 | 1 |
| Arsenic | 95.57 | 0.4997 | 100.0 | ug/L | 95% | | 70-130 | 1 |
| Barium | 103.1 | 9.235 | 100.0 | ug/L | 94% | | 70-130 | 1 |
| Beryllium | 103.7 | ND | 100.0 | ug/L | 104% | | 70-130 | 1 |
| Cadmium | 92.72 | ND | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Chromium | 108.3 | 1.083 | 100.0 | ug/L | 107% | | 70-130 | 1 |
| Cobalt | 116.4 | 0.3125 | 100.0 | ug/L | 116% | | 70-130 | 1 |
| Copper | 122.6 | 9.073 | 100.0 | ug/L | 113% | | 70-130 | 1 |
| Lead | 107.4 | 14.02 | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Nickel | 114.6 | 1.294 | 100.0 | ug/L | 113% | | 70-130 | 1 |
| Selenium | 88.49 | ND | 100.0 | ug/L | 88% | | 70-130 | 1 |
| Silver | 54.72 | ND | 50.00 | ug/L | 109% | | 70-130 | 1 |
| Thallium | 97.63 | ND | 100.0 | ug/L | 98% | | 70-130 | 1 |
| Vanadium | 106.1 | 0.7938 | 100.0 | ug/L | 105% | | 70-130 | 1 |
| Zinc | 337.9 | 244.3 | 100.0 | ug/L | 94% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1229307 | Batch: | 363046 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526355-003) | Method: | EPA 200.8 | Prep Method: | EPA 200.8 |

| QC1229307 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 104.2 | ND | 100.0 | ug/L | 104% | | 70-130 | 1 | 20 | 1 |
| Antimony | 115.5 | 3.155 | 100.0 | ug/L | 112% | | 70-130 | 3 | 20 | 1 |
| Arsenic | 97.80 | 0.4997 | 100.0 | ug/L | 97% | | 70-130 | 2 | 20 | 1 |
| Barium | 105.8 | 9.235 | 100.0 | ug/L | 97% | | 70-130 | 3 | 20 | 1 |
| Beryllium | 102.1 | ND | 100.0 | ug/L | 102% | | 70-130 | 2 | 20 | 1 |
| Cadmium | 94.67 | ND | 100.0 | ug/L | 95% | | 70-130 | 2 | 20 | 1 |
| Chromium | 109.3 | 1.083 | 100.0 | ug/L | 108% | | 70-130 | 1 | 20 | 1 |
| Cobalt | 114.8 | 0.3125 | 100.0 | ug/L | 114% | | 70-130 | 1 | 20 | 1 |
| Copper | 120.7 | 9.073 | 100.0 | ug/L | 112% | | 70-130 | 2 | 20 | 1 |
| Lead | 109.0 | 14.02 | 100.0 | ug/L | 95% | | 70-130 | 1 | 20 | 1 |
| Nickel | 114.2 | 1.294 | 100.0 | ug/L | 113% | | 70-130 | 0 | 20 | 1 |
| Selenium | 90.23 | ND | 100.0 | ug/L | 90% | | 70-130 | 2 | 20 | 1 |
| Silver | 52.92 | ND | 50.00 | ug/L | 106% | | 70-130 | 3 | 20 | 1 |
| Thallium | 94.01 | ND | 100.0 | ug/L | 94% | | 70-130 | 4 | 20 | 1 |
| Vanadium | 106.5 | 0.7938 | 100.0 | ug/L | 106% | | 70-130 | 0 | 20 | 1 |
| Zinc | 346.0 | 244.3 | 100.0 | ug/L | 102% | | 70-130 | 2 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1230634 | Batch: | 363428 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1230634 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.17 | 02/18/25 | 02/19/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Lab Control Sample | Lab ID: QC1230635 | Batch: 363428 |
|---|---|---|
| Matrix: Water | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1230635 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 5.004 | 5.000 | ug/L | 100% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1230680 | Batch: 363428 |
|---|---|---|
| Matrix (Source ID): Water (526138-006) | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1230680 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 5.072 | ND | 5.000 | ug/L | 101% | | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1230681 | Batch: 363428 |
|---|---|---|
| Matrix (Source ID): Water (526138-006) | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1230681 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.843 | ND | 5.000 | ug/L | 97% | | 75-125 | 5 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1230682 | Batch: 363428 |
|---|---|---|
| Matrix (Source ID): Water (526651-002) | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1230682 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 4.703 | ND | 5.000 | ug/L | 94% | | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1230683 | Batch: 363428 |
|---|---|---|
| Matrix (Source ID): Water (526651-002) | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1230683 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.651 | ND | 5.000 | ug/L | 93% | | 75-125 | 1 | 20 | 1 |

| Type: Blank | Lab ID: QC1231107 | Batch: 363433 |
|---|---|---|
| Matrix: Water | Method: EPA 420.1 | Prep Method: METHOD |

| QC1231107 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 02/19/25 | 02/19/25 |

| Type: Lab Control Sample | Lab ID: QC1231108 | Batch: 363433 |
|---|---|---|
| Matrix: Water | Method: EPA 420.1 | Prep Method: METHOD |

| QC1231108 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Phenolics | 0.09000 | 0.08000 | mg/L | 113% | | 80-120 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1231109** | **Batch:** | **363433** |
| **Matrix:** | **Water** | **Method:** | **EPA 420.1** | **Prep Method:** | **METHOD** |

| QC1231109 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Phenolics | 0.08400 | 0.08000 | mg/L | 105% | | 80-120 | 7 | 20 |

| | | | |
|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1229763** | **Batch:** | **363184** |
| **Matrix:** | **Water** | | | | |

| QC1229763 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 02/15/25 | 02/17/25 |
| beta-BHC | ND | | ug/L | 0.05 | 0.02 | 02/15/25 | 02/17/25 |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 02/15/25 | 02/17/25 |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 02/15/25 | 02/17/25 |
| Heptachlor | ND | | ug/L | 0.05 | 0.01 | 02/15/25 | 02/17/25 |
| Aldrin | ND | | ug/L | 0.05 | 0.02 | 02/15/25 | 02/17/25 |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.02 | 02/15/25 | 02/17/25 |
| Endosulfan I | ND | | ug/L | 0.05 | 0.02 | 02/15/25 | 02/17/25 |
| Dieldrin | ND | | ug/L | 0.1 | 0.01 | 02/15/25 | 02/17/25 |
| 4,4'-DDE | ND | | ug/L | 0.1 | 0.02 | 02/15/25 | 02/17/25 |
| Endrin | ND | | ug/L | 0.1 | 0.02 | 02/15/25 | 02/17/25 |
| Endosulfan II | ND | | ug/L | 0.1 | 0.02 | 02/15/25 | 02/17/25 |
| Endosulfan sulfate | ND | | ug/L | 0.1 | 0.02 | 02/15/25 | 02/17/25 |
| 4,4'-DDD | ND | | ug/L | 0.1 | 0.02 | 02/15/25 | 02/17/25 |
| Endrin aldehyde | ND | | ug/L | 0.1 | 0.03 | 02/15/25 | 02/17/25 |
| Endrin ketone | ND | | ug/L | 0.1 | 0.03 | 02/15/25 | 02/17/25 |
| 4,4'-DDT | ND | | ug/L | 0.1 | 0.04 | 02/15/25 | 02/17/25 |
| Methoxychlor | ND | | ug/L | 0.1 | 0.06 | 02/15/25 | 02/17/25 |
| Toxaphene | ND | | ug/L | 2.0 | 0.8 | 02/15/25 | 02/17/25 |
| Chlordane (Technical) | ND | | ug/L | 1.0 | 0.3 | 02/15/25 | 02/17/25 |
| **Surrogates** | | | | **Limits** | | | |
| TCMX | 89% | | %REC | 14-120 | | 02/15/25 | 02/17/25 |
| Decachlorobiphenyl | 115% | | %REC | 20-120 | | 02/15/25 | 02/17/25 |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.50 | 0.37 | 02/15/25 | 02/17/25 |
| Aroclor-1221 | ND | | ug/L | 0.50 | 0.41 | 02/15/25 | 02/17/25 |
| Aroclor-1232 | ND | | ug/L | 0.50 | 0.36 | 02/15/25 | 02/17/25 |
| Aroclor-1242 | ND | | ug/L | 0.50 | 0.35 | 02/15/25 | 02/17/25 |
| Aroclor-1248 | ND | | ug/L | 0.50 | 0.34 | 02/15/25 | 02/17/25 |
| Aroclor-1254 | ND | | ug/L | 0.50 | 0.18 | 02/15/25 | 02/17/25 |
| Aroclor-1260 | ND | | ug/L | 0.50 | 0.45 | 02/15/25 | 02/17/25 |
| Aroclor-1262 | ND | | ug/L | 0.50 | 0.39 | 02/15/25 | 02/17/25 |
| Aroclor-1268 | ND | | ug/L | 0.50 | 0.25 | 02/15/25 | 02/17/25 |
| **Surrogates** | | | | **Limits** | | | |
| Decachlorobiphenyl (PCB) | 100% | | %REC | 18-126 | | 02/15/25 | 02/17/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1229764** | **Batch:** | **363184** |
| **Matrix:** | **Water** | **Method:** | **EPA 8081A** | **Prep Method:** | **EPA 3510C** |

| QC1229764 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| alpha-BHC | 0.5478 | 0.5000 | ug/L | 110% | | 53-120 |
| beta-BHC | 0.5610 | 0.5000 | ug/L | 112% | | 59-120 |
| gamma-BHC | 0.5616 | 0.5000 | ug/L | 112% | | 54-120 |
| delta-BHC | 0.5920 | 0.5000 | ug/L | 118% | | 58-120 |
| Heptachlor | 0.4989 | 0.5000 | ug/L | 100% | | 49-120 |
| Aldrin | 0.4777 | 0.5000 | ug/L | 96% | | 47-120 |
| Heptachlor epoxide | 0.5167 | 0.5000 | ug/L | 103% | | 53-120 |
| Endosulfan I | 0.5371 | 0.5000 | ug/L | 107% | | 56-120 |
| Dieldrin | 0.5202 | 0.5000 | ug/L | 104% | | 55-120 |
| 4,4'-DDE | 0.5723 | 0.5000 | ug/L | 114% | | 55-120 |
| Endrin | 0.5598 | 0.5000 | ug/L | 112% | | 57-120 |
| Endosulfan II | 0.5522 | 0.5000 | ug/L | 110% | | 58-120 |
| Endosulfan sulfate | 0.5515 | 0.5000 | ug/L | 110% | | 56-120 |
| 4,4'-DDD | 0.5420 | 0.5000 | ug/L | 108% | | 53-120 |
| Endrin aldehyde | 0.5106 | 0.5000 | ug/L | 102% | | 45-120 |
| Endrin ketone | 0.5746 | 0.5000 | ug/L | 115% | | 61-120 |
| 4,4'-DDT | 0.5573 | 0.5000 | ug/L | 111% | | 58-120 |
| Methoxychlor | 0.5842 | 0.5000 | ug/L | 117% | | 54-120 |
| **Surrogates** | | | | | | |
| TCMX | 0.4189 | 0.5000 | ug/L | 84% | | 14-120 |
| Decachlorobiphenyl | 0.5069 | 0.5000 | ug/L | 101% | | 20-120 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1229765 | Batch: | 363184 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8081A | Prep Method: | EPA 3510C |

| QC1229765 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | 0.6204 | 0.5000 | ug/L | 124% | * | 53-120 | 12 | 20 |
| beta-BHC | 0.6110 | 0.5000 | ug/L | 122% | * | 59-120 | 9 | 20 |
| gamma-BHC | 0.6308 | 0.5000 | ug/L | 126% | * | 54-120 | 12 | 20 |
| delta-BHC | 0.6566 | 0.5000 | ug/L | 131% | * | 58-120 | 10 | 20 |
| Heptachlor | 0.5699 | 0.5000 | ug/L | 114% | | 49-120 | 13 | 20 |
| Aldrin | 0.5498 | 0.5000 | ug/L | 110% | | 47-120 | 14 | 20 |
| Heptachlor epoxide | 0.5785 | 0.5000 | ug/L | 116% | | 53-120 | 11 | 20 |
| Endosulfan I | 0.6253 | 0.5000 | ug/L | 125% | * | 56-120 | 15 | 20 |
| Dieldrin | 0.5887 | 0.5000 | ug/L | 118% | | 55-120 | 12 | 20 |
| 4,4'-DDE | 0.6549 | 0.5000 | ug/L | 131% | * | 55-120 | 13 | 20 |
| Endrin | 0.6273 | 0.5000 | ug/L | 125% | * | 57-120 | 11 | 20 |
| Endosulfan II | 0.6134 | 0.5000 | ug/L | 123% | * | 58-120 | 10 | 20 |
| Endosulfan sulfate | 0.6119 | 0.5000 | ug/L | 122% | * | 56-120 | 10 | 20 |
| 4,4'-DDD | 0.6099 | 0.5000 | ug/L | 122% | * | 53-120 | 12 | 20 |
| Endrin aldehyde | 0.5649 | 0.5000 | ug/L | 113% | | 45-120 | 10 | 20 |
| Endrin ketone | 0.6398 | 0.5000 | ug/L | 128% | * | 61-120 | 11 | 20 |
| 4,4'-DDT | 0.6309 | 0.5000 | ug/L | 126% | * | 58-120 | 12 | 20 |
| Methoxychlor | 0.6645 | 0.5000 | ug/L | 133% | * | 54-120 | 13 | 20 |
| **Surrogates** | | | | | | | | |
| TCMX | 0.4802 | 0.5000 | ug/L | 96% | | 14-120 | | |
| Decachlorobiphenyl | 0.5645 | 0.5000 | ug/L | 113% | | 20-120 | | |

| Type: | Lab Control Sample | Lab ID: | QC1229766 | Batch: | 363184 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1229766 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 4.925 | 5.000 | ug/L | 98% | | 36-143 |
| Aroclor-1260 | 4.981 | 5.000 | ug/L | 100% | | 31-153 |
| **Surrogates** | | | | | | |
| Decachlorobiphenyl (PCB) | 0.4796 | 0.5000 | ug/L | 96% | | 18-126 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1229767 | Batch: | 363184 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1229767 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 5.015 | 5.000 | ug/L | 100% | | 36-143 | 2 | 39 |
| Aroclor-1260 | 4.717 | 5.000 | ug/L | 94% | | 31-153 | 5 | 20 |
| **Surrogates** | | | | | | | | |
| Decachlorobiphenyl (PCB) | 0.4524 | 0.5000 | ug/L | 90% | | 18-126 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1229848** | **Batch:** | **363202** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1229848 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 42.40 | 50.00 | ug/L | 85% | | 70-135 |
| MTBE | 40.49 | 50.00 | ug/L | 81% | | 70-130 |
| Benzene | 51.38 | 50.00 | ug/L | 103% | | 70-130 |
| Trichloroethene | 56.89 | 50.00 | ug/L | 114% | | 70-130 |
| Toluene | 53.06 | 50.00 | ug/L | 106% | | 70-130 |
| Chlorobenzene | 53.22 | 50.00 | ug/L | 106% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 41.69 | 50.00 | ug/L | 83% | | 70-130 |
| 1,2-Dichloroethane-d4 | 41.43 | 50.00 | ug/L | 83% | | 70-130 |
| Toluene-d8 | 50.41 | 50.00 | ug/L | 101% | | 70-130 |
| Bromofluorobenzene | 49.72 | 50.00 | ug/L | 99% | | 70-130 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1229849** | **Batch:** | **363202** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1229849 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46.71 | 50.00 | ug/L | 93% | | 70-135 | 10 | 30 |
| MTBE | 44.48 | 50.00 | ug/L | 89% | | 70-130 | 9 | 30 |
| Benzene | 55.87 | 50.00 | ug/L | 112% | | 70-130 | 8 | 30 |
| Trichloroethene | 61.05 | 50.00 | ug/L | 122% | | 70-130 | 7 | 30 |
| Toluene | 56.80 | 50.00 | ug/L | 114% | | 70-130 | 7 | 30 |
| Chlorobenzene | 56.30 | 50.00 | ug/L | 113% | | 70-130 | 6 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 42.11 | 50.00 | ug/L | 84% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 43.28 | 50.00 | ug/L | 87% | | 70-130 | | |
| Toluene-d8 | 49.92 | 50.00 | ug/L | 100% | | 70-130 | | |
| Bromofluorobenzene | 50.62 | 50.00 | ug/L | 101% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1229853** | **Batch:** | **363202** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1229853 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.4 | 02/16/25 | 02/16/25 |
| Chloroprene | ND | | ug/L | 200 | 0.3 | 02/16/25 | 02/16/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 02/16/25 | 02/16/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.5 | 02/16/25 | 02/16/25 |
| Ethanol | ND | | ug/L | 500 | 320 | 02/16/25 | 02/16/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.7 | 02/16/25 | 02/16/25 |
| Isopropanol (IPA) | ND | | ug/L | 200 | 73 | 02/16/25 | 02/16/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.3 | 02/16/25 | 02/16/25 |
| Vinyl Acetate | ND | | ug/L | 50 | 4.3 | 02/16/25 | 02/16/25 |
| Acrolein | ND | | ug/L | 200 | 2.2 | 02/16/25 | 02/16/25 |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 02/16/25 | 02/16/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 02/16/25 | 02/16/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 02/16/25 | 02/16/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 02/16/25 | 02/16/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 02/16/25 | 02/16/25 |
| Iodomethane | ND | | ug/L | 7.6 | | 02/16/25 | 02/16/25 |
| Acetone | ND | | ug/L | 100 | 21 | 02/16/25 | 02/16/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 02/16/25 | 02/16/25 |
| Methylene Chloride | ND | | ug/L | 10 | 2.4 | 02/16/25 | 02/16/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 02/16/25 | 02/16/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 02/16/25 | 02/16/25 |
| 2-Butanone | ND | | ug/L | 10 | 1.7 | 02/16/25 | 02/16/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 02/16/25 | 02/16/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 02/16/25 | 02/16/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 02/16/25 | 02/16/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.0 | 02/16/25 | 02/16/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 02/16/25 | 02/16/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 02/16/25 | 02/16/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |

ENTHALPY ANALYTICAL

## Batch QC

| QC1229853 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 02/16/25 | 02/16/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 02/16/25 | 02/16/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 02/16/25 | 02/16/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 02/16/25 | 02/16/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 02/16/25 | 02/16/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 02/16/25 | 02/16/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 02/16/25 | 02/16/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 02/16/25 | 02/16/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 02/16/25 | 02/16/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 02/16/25 | 02/16/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 02/16/25 | 02/16/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 02/16/25 | 02/16/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 02/16/25 | 02/16/25 |
| TIC: | ND | | | | | 02/16/25 | 02/16/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 82% | | %REC | 70-130 | | 02/16/25 | 02/16/25 |
| 1,2-Dichloroethane-d4 | 90% | | %REC | 70-130 | | 02/16/25 | 02/16/25 |
| Toluene-d8 | 97% | | %REC | 70-130 | | 02/16/25 | 02/16/25 |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 02/16/25 | 02/16/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1229854 | Batch: | 363202 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526609-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1229854 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 649.4 | ND | 1000 | ug/L | 65% | * | 70-130 | 50 |
| MTBE | 718.7 | 6.239 | 1000 | ug/L | 71% | * | 75-130 | 50 |
| Benzene | 866.7 | 24.16 | 1000 | ug/L | 84% | | 70-130 | 50 |
| Trichloroethene | 869.0 | ND | 1000 | ug/L | 87% | | 63-130 | 50 |
| Toluene | 816.1 | ND | 1000 | ug/L | 82% | | 70-130 | 50 |
| Chlorobenzene | 865.2 | ND | 1000 | ug/L | 87% | | 70-130 | 50 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 2,137 | | 2500 | ug/L | 85% | | 70-130 | 50 |
| 1,2-Dichloroethane-d4 | 2,214 | | 2500 | ug/L | 89% | | 70-130 | 50 |
| Toluene-d8 | 2,415 | | 2500 | ug/L | 97% | | 70-130 | 50 |
| Bromofluorobenzene | 2,491 | | 2500 | ug/L | 100% | | 70-130 | 50 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1229855 | Batch: | 363202 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526609-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1229855 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 723.6 | ND | 1000 | ug/L | 72% | | 70-130 | 11 | 30 | 50 |
| MTBE | 800.4 | 6.239 | 1000 | ug/L | 79% | | 75-130 | 11 | 30 | 50 |
| Benzene | 966.4 | 24.16 | 1000 | ug/L | 94% | | 70-130 | 11 | 30 | 50 |
| Trichloroethene | 983.2 | ND | 1000 | ug/L | 98% | | 63-130 | 12 | 30 | 50 |
| Toluene | 919.4 | ND | 1000 | ug/L | 92% | | 70-130 | 12 | 30 | 50 |
| Chlorobenzene | 954.2 | ND | 1000 | ug/L | 95% | | 70-130 | 10 | 30 | 50 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 2,074 | | 2500 | ug/L | 83% | | 70-130 | | | 50 |
| 1,2-Dichloroethane-d4 | 2,139 | | 2500 | ug/L | 86% | | 70-130 | | | 50 |
| Toluene-d8 | 2,442 | | 2500 | ug/L | 98% | | 70-130 | | | 50 |
| Bromofluorobenzene | 2,495 | | 2500 | ug/L | 100% | | 70-130 | | | 50 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1229347 | Batch: 363056 |
|---|---|---|
| Matrix: Water | Method: EPA 8270C | Prep Method: EPA 3510C |

| QC1229347 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbazole | ND | | ug/L | 10 | 2.3 | 02/14/25 | 02/14/25 |
| Pyridine | ND | | ug/L | 10 | 3.9 | 02/14/25 | 02/14/25 |
| N-Nitrosodimethylamine | ND | | ug/L | 10 | 2.8 | 02/14/25 | 02/14/25 |
| Phenol | ND | | ug/L | 10 | 3.5 | 02/14/25 | 02/14/25 |
| Aniline | ND | | ug/L | 10 | 4.5 | 02/14/25 | 02/14/25 |
| bis(2-Chloroethyl)ether | ND | | ug/L | 25 | 3.1 | 02/14/25 | 02/14/25 |
| 2-Chlorophenol | ND | | ug/L | 10 | 2.8 | 02/14/25 | 02/14/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 10 | 3.3 | 02/14/25 | 02/14/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 10 | 3.3 | 02/14/25 | 02/14/25 |
| Benzyl alcohol | ND | | ug/L | 10 | 5.8 | 02/14/25 | 02/14/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 10 | 3.3 | 02/14/25 | 02/14/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 3.2 | 02/14/25 | 02/14/25 |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 10 | 2.8 | 02/14/25 | 02/14/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 2.6 | 02/14/25 | 02/14/25 |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 10 | 3.9 | 02/14/25 | 02/14/25 |
| Hexachloroethane | ND | | ug/L | 10 | 3.8 | 02/14/25 | 02/14/25 |
| Nitrobenzene | ND | | ug/L | 25 | 6.4 | 02/14/25 | 02/14/25 |
| Isophorone | ND | | ug/L | 10 | 1.9 | 02/14/25 | 02/14/25 |
| 2-Nitrophenol | ND | | ug/L | 10 | 5.6 | 02/14/25 | 02/14/25 |
| 2,4-Dimethylphenol | ND | | ug/L | 10 | 4.4 | 02/14/25 | 02/14/25 |
| Benzoic acid | ND | | ug/L | 50 | 19 | 02/14/25 | 02/14/25 |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 10 | 2.3 | 02/14/25 | 02/14/25 |
| 2,4-Dichlorophenol | ND | | ug/L | 10 | 2.7 | 02/14/25 | 02/14/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 10 | 2.6 | 02/14/25 | 02/14/25 |
| Naphthalene | ND | | ug/L | 10 | 2.7 | 02/14/25 | 02/14/25 |
| 4-Chloroaniline | ND | | ug/L | 10 | 2.3 | 02/14/25 | 02/14/25 |
| Hexachlorobutadiene | ND | | ug/L | 10 | 4.0 | 02/14/25 | 02/14/25 |
| 4-Chloro-3-methylphenol | ND | | ug/L | 10 | 2.7 | 02/14/25 | 02/14/25 |
| 2-Methylnaphthalene | ND | | ug/L | 10 | 2.4 | 02/14/25 | 02/14/25 |
| Hexachlorocyclopentadiene | ND | | ug/L | 25 | 4.9 | 02/14/25 | 02/14/25 |
| 2,4,6-Trichlorophenol | ND | | ug/L | 10 | 2.2 | 02/14/25 | 02/14/25 |
| 2,4,5-Trichlorophenol | ND | | ug/L | 10 | 2.7 | 02/14/25 | 02/14/25 |
| 2-Chloronaphthalene | ND | | ug/L | 10 | 2.4 | 02/14/25 | 02/14/25 |
| 2-Nitroaniline | ND | | ug/L | 50 | 3.7 | 02/14/25 | 02/14/25 |
| Dimethylphthalate | ND | | ug/L | 10 | 3.1 | 02/14/25 | 02/14/25 |
| Acenaphthylene | ND | | ug/L | 10 | 2.2 | 02/14/25 | 02/14/25 |
| 2,6-Dinitrotoluene | ND | | ug/L | 10 | 3.7 | 02/14/25 | 02/14/25 |
| 3-Nitroaniline | ND | | ug/L | 10 | 1.8 | 02/14/25 | 02/14/25 |
| Acenaphthene | ND | | ug/L | 10 | 2.6 | 02/14/25 | 02/14/25 |
| 2,4-Dinitrophenol | ND | | ug/L | 50 | 3.5 | 02/14/25 | 02/14/25 |
| 4-Nitrophenol | ND | | ug/L | 10 | 1.5 | 02/14/25 | 02/14/25 |
| Dibenzofuran | ND | | ug/L | 10 | 2.2 | 02/14/25 | 02/14/25 |
| 2,4-Dinitrotoluene | ND | | ug/L | 10 | 3.1 | 02/14/25 | 02/14/25 |
| Diethylphthalate | ND | | ug/L | 10 | 2.8 | 02/14/25 | 02/14/25 |
| Fluorene | ND | | ug/L | 10 | 2.1 | 02/14/25 | 02/14/25 |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 10 | 2.4 | 02/14/25 | 02/14/25 |
| 4-Nitroaniline | ND | | ug/L | 10 | 2.8 | 02/14/25 | 02/14/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1229347 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 50 | 3.2 | 02/14/25 | 02/14/25 |
| N-Nitrosodiphenylamine | ND | | ug/L | 10 | 3.9 | 02/14/25 | 02/14/25 |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 10 | 2.3 | 02/14/25 | 02/14/25 |
| 4-Bromophenyl-phenylether | ND | | ug/L | 10 | 2.3 | 02/14/25 | 02/14/25 |
| Hexachlorobenzene | ND | | ug/L | 10 | 2.4 | 02/14/25 | 02/14/25 |
| Pentachlorophenol | ND | | ug/L | 25 | 2.6 | 02/14/25 | 02/14/25 |
| Phenanthrene | ND | | ug/L | 10 | 2.6 | 02/14/25 | 02/14/25 |
| Anthracene | ND | | ug/L | 10 | 2.1 | 02/14/25 | 02/14/25 |
| Di-n-butylphthalate | ND | | ug/L | 10 | 2.4 | 02/14/25 | 02/14/25 |
| Fluoranthene | ND | | ug/L | 10 | 2.6 | 02/14/25 | 02/14/25 |
| Benzidine | ND | | ug/L | 50 | 16 | 02/14/25 | 02/14/25 |
| Pyrene | ND | | ug/L | 10 | 2.4 | 02/14/25 | 02/14/25 |
| Butylbenzylphthalate | ND | | ug/L | 10 | 2.6 | 02/14/25 | 02/14/25 |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 25 | 2.9 | 02/14/25 | 02/14/25 |
| Benzo(a)anthracene | ND | | ug/L | 10 | 2.1 | 02/14/25 | 02/14/25 |
| Chrysene | ND | | ug/L | 10 | 2.5 | 02/14/25 | 02/14/25 |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 10 | 2.8 | 02/14/25 | 02/14/25 |
| Di-n-octylphthalate | ND | | ug/L | 10 | 4.8 | 02/14/25 | 02/14/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 10 | 2.3 | 02/14/25 | 02/14/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 10 | 2.4 | 02/14/25 | 02/14/25 |
| Benzo(a)pyrene | ND | | ug/L | 10 | 2.2 | 02/14/25 | 02/14/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 10 | 5.4 | 02/14/25 | 02/14/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 10 | 7.5 | 02/14/25 | 02/14/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 10 | 3.5 | 02/14/25 | 02/14/25 |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| TIC:Acetophenone | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| TIC:Chlorobenzilate | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| TIC:Diallate | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| TIC:Thionazin | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 02/14/25 | 02/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 55% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |
| Phenol-d6 | 36% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |
| 2,4,6-Tribromophenol | 78% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |
| Nitrobenzene-d5 | 73% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |
| 2-Fluorobiphenyl | 80% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |
| Terphenyl-d14 | 90% | | %REC | 20-140 | | 02/14/25 | 02/14/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1229348** | **Batch:** | **363056** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1229348 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 26.17 | 75.00 | ug/L | 35% | | 13-120 |
| 2-Chlorophenol | 52.50 | 75.00 | ug/L | 70% | | 31-120 |
| 1,4-Dichlorobenzene | 54.89 | 75.00 | ug/L | 73% | | 24-120 |
| 3-,4-Methylphenol | 51.00 | 75.00 | ug/L | 68% | | 29-120 |
| N-Nitroso-di-n-propylamine | 61.95 | 75.00 | ug/L | 83% | | 32-120 |
| 2,4-Dimethylphenol | 55.24 | 75.00 | ug/L | 74% | | 25-120 |
| 1,2,4-Trichlorobenzene | 58.04 | 75.00 | ug/L | 77% | | 26-120 |
| 4-Chloro-3-methylphenol | 67.77 | 75.00 | ug/L | 90% | | 39-120 |
| 2,4,5-Trichlorophenol | 68.49 | 75.00 | ug/L | 91% | | 38-120 |
| Acenaphthene | 62.18 | 75.00 | ug/L | 83% | | 33-120 |
| 4-Nitrophenol | 29.14 | 75.00 | ug/L | 39% | | 12-120 |
| 2,4-Dinitrotoluene | 66.50 | 75.00 | ug/L | 89% | | 46-120 |
| Pentachlorophenol | 52.08 | 75.00 | ug/L | 69% | | 37-120 |
| Pyrene | 65.65 | 75.00 | ug/L | 88% | | 47-120 |
| Chrysene | 63.34 | 75.00 | ug/L | 84% | | 48-120 |
| Benzo(b)fluoranthene | 67.19 | 75.00 | ug/L | 90% | | 46-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 19.76 | 40.00 | ug/L | 49% | | 20-140 |
| Phenol-d6 | 13.38 | 40.00 | ug/L | 33% | | 20-140 |
| 2,4,6-Tribromophenol | 36.73 | 40.00 | ug/L | 92% | | 20-140 |
| Nitrobenzene-d5 | 30.50 | 40.00 | ug/L | 76% | | 20-140 |
| 2-Fluorobiphenyl | 31.72 | 40.00 | ug/L | 79% | | 20-140 |
| Terphenyl-d14 | 32.45 | 40.00 | ug/L | 81% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1229349** | **Batch:** | **363056** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1229349 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 27.66 | 75.00 | ug/L | 37% | | 13-120 | 6 | 62 |
| 2-Chlorophenol | 55.89 | 75.00 | ug/L | 75% | | 31-120 | 6 | 62 |
| 1,4-Dichlorobenzene | 54.91 | 75.00 | ug/L | 73% | | 24-120 | 0 | 64 |
| 3-,4-Methylphenol | 57.05 | 75.00 | ug/L | 76% | | 29-120 | 11 | 62 |
| N-Nitroso-di-n-propylamine | 70.78 | 75.00 | ug/L | 94% | | 32-120 | 13 | 65 |
| 2,4-Dimethylphenol | 62.61 | 75.00 | ug/L | 83% | | 25-120 | 13 | 64 |
| 1,2,4-Trichlorobenzene | 62.59 | 75.00 | ug/L | 83% | | 26-120 | 8 | 63 |
| 4-Chloro-3-methylphenol | 71.40 | 75.00 | ug/L | 95% | | 39-120 | 5 | 58 |
| 2,4,5-Trichlorophenol | 74.72 | 75.00 | ug/L | 100% | | 38-120 | 9 | 59 |
| Acenaphthene | 60.68 | 75.00 | ug/L | 81% | | 33-120 | 2 | 52 |
| 4-Nitrophenol | 29.72 | 75.00 | ug/L | 40% | | 12-120 | 2 | 63 |
| 2,4-Dinitrotoluene | 72.09 | 75.00 | ug/L | 96% | | 46-120 | 8 | 41 |
| Pentachlorophenol | 58.45 | 75.00 | ug/L | 78% | | 37-120 | 12 | 42 |
| Pyrene | 67.06 | 75.00 | ug/L | 89% | | 47-120 | 2 | 43 |
| Chrysene | 65.55 | 75.00 | ug/L | 87% | | 48-120 | 3 | 46 |
| Benzo(b)fluoranthene | 70.97 | 75.00 | ug/L | 95% | | 46-120 | 5 | 47 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 19.93 | 40.00 | ug/L | 50% | | 20-140 | | |
| Phenol-d6 | 14.17 | 40.00 | ug/L | 35% | | 20-140 | | |
| 2,4,6-Tribromophenol | 38.52 | 40.00 | ug/L | 96% | | 20-140 | | |
| Nitrobenzene-d5 | 33.41 | 40.00 | ug/L | 84% | | 20-140 | | |
| 2-Fluorobiphenyl | 32.72 | 40.00 | ug/L | 82% | | 20-140 | | |
| Terphenyl-d14 | 33.30 | 40.00 | ug/L | 83% | | 20-140 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1229369 | | **Batch:** 363064 |
| **Matrix:** Water | **Method:** EPA 8270C-SIM | | **Prep Method:** EPA 3510C |

| QC1229369 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | | ug/L | 0.50 | 0.21 | 02/14/25 | 02/15/25 |
| 2-Methylnaphthalene | ND | | ug/L | 0.50 | 0.24 | 02/14/25 | 02/15/25 |
| Naphthalene | ND | | ug/L | 0.50 | 0.21 | 02/14/25 | 02/15/25 |
| Acenaphthylene | ND | | ug/L | 0.50 | 0.22 | 02/14/25 | 02/15/25 |
| Acenaphthene | ND | | ug/L | 0.50 | 0.20 | 02/14/25 | 02/15/25 |
| Fluorene | ND | | ug/L | 0.50 | 0.20 | 02/14/25 | 02/15/25 |
| Phenanthrene | ND | | ug/L | 0.50 | 0.18 | 02/14/25 | 02/15/25 |
| Anthracene | ND | | ug/L | 0.50 | 0.20 | 02/14/25 | 02/15/25 |
| Fluoranthene | ND | | ug/L | 0.50 | 0.19 | 02/14/25 | 02/15/25 |
| Pyrene | ND | | ug/L | 0.50 | 0.19 | 02/14/25 | 02/15/25 |
| Benzo(a)anthracene | ND | | ug/L | 0.50 | 0.15 | 02/14/25 | 02/15/25 |
| Chrysene | ND | | ug/L | 0.50 | 0.17 | 02/14/25 | 02/15/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 0.50 | 0.15 | 02/14/25 | 02/15/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 0.50 | 0.18 | 02/14/25 | 02/15/25 |
| Benzo(a)pyrene | ND | | ug/L | 0.50 | 0.17 | 02/14/25 | 02/15/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.50 | 0.15 | 02/14/25 | 02/15/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.50 | 0.17 | 02/14/25 | 02/15/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.50 | 0.18 | 02/14/25 | 02/15/25 |
| **Surrogates** | | | | **Limits** | | | |
| Nitrobenzene-d5 | 85% | | %REC | 16-125 | | 02/14/25 | 02/15/25 |
| 2-Fluorobiphenyl | 82% | | %REC | 17-120 | | 02/14/25 | 02/15/25 |
| Terphenyl-d14 | 98% | | %REC | 39-123 | | 02/14/25 | 02/15/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1229371** | **Batch:** | **363064** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1229371 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.362 | 4.000 | ug/L | 84% | | 23-120 |
| 2-Methylnaphthalene | 3.349 | 4.000 | ug/L | 84% | | 33-120 |
| Naphthalene | 3.356 | 4.000 | ug/L | 84% | | 38-120 |
| Acenaphthylene | 3.456 | 4.000 | ug/L | 86% | | 37-120 |
| Acenaphthene | 3.275 | 4.000 | ug/L | 82% | | 39-120 |
| Fluorene | 3.465 | 4.000 | ug/L | 87% | | 43-120 |
| Phenanthrene | 3.407 | 4.000 | ug/L | 85% | | 42-120 |
| Anthracene | 3.480 | 4.000 | ug/L | 87% | | 42-120 |
| Fluoranthene | 3.527 | 4.000 | ug/L | 88% | | 48-120 |
| Pyrene | 3.595 | 4.000 | ug/L | 90% | | 44-120 |
| Benzo(a)anthracene | 3.584 | 4.000 | ug/L | 90% | | 51-126 |
| Chrysene | 3.525 | 4.000 | ug/L | 88% | | 47-120 |
| Benzo(b)fluoranthene | 3.551 | 4.000 | ug/L | 89% | | 44-127 |
| Benzo(k)fluoranthene | 3.633 | 4.000 | ug/L | 91% | | 43-127 |
| Benzo(a)pyrene | 3.531 | 4.000 | ug/L | 88% | | 29-124 |
| Indeno(1,2,3-cd)pyrene | 3.689 | 4.000 | ug/L | 92% | | 44-127 |
| Dibenz(a,h)anthracene | 3.861 | 4.000 | ug/L | 97% | | 55-120 |
| Benzo(g,h,i)perylene | 3.639 | 4.000 | ug/L | 91% | | 46-120 |
| **Surrogates** | | | | | | |
| Nitrobenzene-d5 | 3.459 | 4.000 | ug/L | 86% | | 16-125 |
| 2-Fluorobiphenyl | 3.430 | 4.000 | ug/L | 86% | | 17-120 |
| Terphenyl-d14 | 4.027 | 4.000 | ug/L | 101% | | 39-123 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1229372 | Batch: | 363064 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3510C |

| QC1229372 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.273 | 4.000 | ug/L | 82% | | 23-120 | 3 | 20 |
| 2-Methylnaphthalene | 3.225 | 4.000 | ug/L | 81% | | 33-120 | 4 | 20 |
| Naphthalene | 3.179 | 4.000 | ug/L | 79% | | 38-120 | 5 | 20 |
| Acenaphthylene | 3.431 | 4.000 | ug/L | 86% | | 37-120 | 1 | 20 |
| Acenaphthene | 3.139 | 4.000 | ug/L | 78% | | 39-120 | 4 | 20 |
| Fluorene | 3.356 | 4.000 | ug/L | 84% | | 43-120 | 3 | 20 |
| Phenanthrene | 3.298 | 4.000 | ug/L | 82% | | 42-120 | 3 | 20 |
| Anthracene | 3.337 | 4.000 | ug/L | 83% | | 42-120 | 4 | 20 |
| Fluoranthene | 3.375 | 4.000 | ug/L | 84% | | 48-120 | 4 | 20 |
| Pyrene | 3.399 | 4.000 | ug/L | 85% | | 44-120 | 6 | 20 |
| Benzo(a)anthracene | 3.525 | 4.000 | ug/L | 88% | | 51-126 | 2 | 20 |
| Chrysene | 3.375 | 4.000 | ug/L | 84% | | 47-120 | 4 | 20 |
| Benzo(b)fluoranthene | 3.251 | 4.000 | ug/L | 81% | | 44-127 | 9 | 20 |
| Benzo(k)fluoranthene | 3.359 | 4.000 | ug/L | 84% | | 43-127 | 8 | 20 |
| Benzo(a)pyrene | 3.301 | 4.000 | ug/L | 83% | | 29-124 | 7 | 20 |
| Indeno(1,2,3-cd)pyrene | 3.479 | 4.000 | ug/L | 87% | | 44-127 | 6 | 20 |
| Dibenz(a,h)anthracene | 3.552 | 4.000 | ug/L | 89% | | 55-120 | 8 | 20 |
| Benzo(g,h,i)perylene | 3.532 | 4.000 | ug/L | 88% | | 46-120 | 3 | 20 |
| **Surrogates** | | | | | | | | |
| Nitrobenzene-d5 | 3.479 | 4.000 | ug/L | 87% | | 16-125 | | |
| 2-Fluorobiphenyl | 3.395 | 4.000 | ug/L | 85% | | 17-120 | | |
| Terphenyl-d14 | 3.879 | 4.000 | ug/L | 97% | | 39-123 | | |

| Type: | Blank | Lab ID: | QC1230575 | Batch: | 363408 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1230575 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 02/18/25 | 02/18/25 |

| Type: | Lab Control Sample | Lab ID: | QC1230576 | Batch: | 363408 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1230576 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Cyanide | 0.1011 | 0.1000 | mg/L | 101% | | 76-120 |

| Type: | Matrix Spike | Lab ID: | QC1230577 | Batch: | 363408 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526326-001) | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1230577 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.09871 | ND | 0.1000 | mg/L | 99% | | 65-121 | 0.5 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1230578 | Batch: | 363408 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (526326-001) | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1230578 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.1014 | ND | 0.1000 | mg/L | 101% | | 65-121 | 3 | 30 | 0.5 |

| Type: | Blank | Lab ID: | QC1231292 | Batch: | 363624 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1231292 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 02/20/25 | 02/20/25 |

| Type: | Lab Control Sample | Lab ID: | QC1231293 | Batch: | 363624 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1231293 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1231294 | Batch: | 363624 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Drinking Water (526290-002) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1231294 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | ND | 1.000 | mg/L | 90% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1231821 | Batch: | 363624 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Drinking Water (526290-002) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1231821 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | ND | 1.000 | mg/L | 90% | | 80-120 | 0 | 20 | 1 |

* Value is outside QC limits
ND Not Detected

**Laboratory Job Number 526326**

**Subcontracted Products**

**Pace Laboratories**

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

February 26, 2025

Zach Barker
Enthalpy
931 W Barkley Ave
Orange, CA 92868

RE: Project: Chiquita Canyon Landfill Storm
Pace Project No.: 30758788

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on February 15, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

The samples will be subcontracted to Pace Bakersfield for analysis. Results of the analysis are reported on the Pace Bakersfield data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Diane Galvan, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

**REPORT OF LABORATORY ANALYSIS**

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**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## SAMPLE SUMMARY

Project: Chiquita Canyon Landfill Storm
Pace Project No.: 30758788

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **30758788001** | **South Basin - Western Inlet** | Water | 02/13/25 09:00 | 02/15/25 10:50 |
| **30758788002** | **South Basin - Eastern Inlet** | Water | 02/13/25 08:15 | 02/15/25 10:50 |

**REPORT OF LABORATORY ANALYSIS**

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2502614

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2502614

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Felicia Johnson
PO #: Required, to be sent via email

Enthalpy Order: EO-526326
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment | |
|---|---|---|---|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 13-FEB-2025 09:00 | 526326-001 | 1 | Water | Organophosphorus Pesticides | | -1 |
| SOUTH BASIN - EASTERN INLET | 13-FEB-2025 08:15 | 526326-002 | 1 | Water | Organophosphorus Pesticides | | -2 |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Tri's Kelly Tri's | |
| | Date: 2/14/25 | Date: 2/15/25 1070 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

CHK BY SMH DISTRIBUTION SLM SUB OUT

SMH
SHORT HOLD TIME
$Cr^{+6}$ NO CP SS
DO $Cl_2$ BOD MBAS COT

PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1

Submission #: 2502614

**SHIPPING INFORMATION**
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐
W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☐ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

**COC Received**
☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 279
Temperature: (A) 1.8 °C / (C) 1.8 °C
Date/Time 2/17/25
Analyst Init JCM 1050

| SAMPLE CONTAINERS | SAMPLE NUMBERS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | | | | | | | | | | |
| 8oz / 16oz / 32oz JAR | A | A | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:
Sample Numbering Completed By: EJL Date/Time: 2.17.25 1200
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMPREC.rev 23] Page 4 of 14

Date of Report: 02/25/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

| | |
|---|---|
| Client Project: | [none] |
| Pace Project: | Chiquita Canyon Landfill Stormwater |
| Pace Work Order: | 2502614 |
| Invoice ID: | B512449 |

Enclosed are the results of analyses for samples received by the laboratory on 2/15/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Steven Bennett
Operations Manager

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2502614

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2502814

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Felicia Johnson
PO #: Required, to be sent via email

Enthalpy Order: EO-526326
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 13-FEB-2025 09:00 | 526326-001 | 1 | Water | Organophosphorus Pesticides | -1 |
| SOUTH BASIN - EASTERN INLET | 13-FEB-2025 08:15 | 526326-002 | 1 | Water | Organophosphorus Pesticides | -2 |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Tris Kelly | |
| | Date: 2/14/25 | Date: 2/15/25 1070 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

CHK BY SMH
DISTRIBUTION SLM
SUB OUT

SMH
SHORT HOLD TIME
$Cr^{+6}$ NO OP SS
DO $Cl_2$ BOD MBAS COT

1 of 1

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 1 Of 1

Submission #: 2502614

**SHIPPING INFORMATION**
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☒ NO ☐
W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☐ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

**COC Received** ☒ YES ☐ NO

Emissivity: 0.97 Container: WA Thermometer ID: 274
Temperature: (A) 1.8 °C / (C) 1.8 °C
Date/Time 2/17/25
Analyst Init JCD 1050

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz Cr+6 | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | | | | | | | | | | |
| 8oz / 16oz / 32oz JAR | A | A | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:
Sample Numbering Completed By: TJL Date/Time: 2.17.25 1200
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **2502614-01** | **COC Number:** | --- | **Receive Date:** | 02/15/2025 10:50 |
| | **Project Number:** | --- | **Sampling Date:** | 02/13/2025 09:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SOUTH BASIN-WESTERN INLET | **Lab Matrix:** | Water |
| | **Sampled By:** | Client | **Sample Type:** | Water |
| **2502614-02** | **COC Number:** | --- | **Receive Date:** | 02/15/2025 10:50 |
| | **Project Number:** | --- | **Sampling Date:** | 02/13/2025 08:15 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SOUTH BASIN-EASTERN INLET | **Lab Matrix:** | Water |
| | **Sampled By:** | Client | **Sample Type:** | Water |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2502614-01 | **Client Sample Name:** SOUTH BASIN-WESTERN INLET, 2/13/2025 9:00:00AM, Client

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 0.50 | 0.12 | EPA-8141A | ND | | 1 |
| Bolstar | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Coumaphos | ND | ug/L | 0.50 | 0.11 | EPA-8141A | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.20 | 0.056 | EPA-8141A | ND | | 1 |
| Diazinon | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Disulfoton | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Ethoprop | ND | ug/L | 0.20 | 0.052 | EPA-8141A | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.20 | 0.051 | EPA-8141A | ND | | 1 |
| Fenthion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Merphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Mevinphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Naled | ND | ug/L | 0.50 | 0.17 | EPA-8141A | ND | | 1 |
| Phorate | ND | ug/L | 0.20 | 0.066 | EPA-8141A | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.20 | 0.082 | EPA-8141A | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Trichloronate | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Triphenylphosphate (Surrogate) | 46.0 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | S09 | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 02/19/25 11:00 | 02/22/25 06:08 | HAH | GC-18 | 1 | B206385 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2502614-02 | **Client Sample Name:** SOUTH BASIN-EASTERN INLET, 2/13/2025 8:15:00AM, Client

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 0.50 | 0.12 | EPA-8141A | ND | | 1 |
| Bolstar | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Coumaphos | ND | ug/L | 0.50 | 0.11 | EPA-8141A | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.20 | 0.056 | EPA-8141A | ND | | 1 |
| Diazinon | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Disulfoton | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Ethoprop | ND | ug/L | 0.20 | 0.052 | EPA-8141A | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.20 | 0.051 | EPA-8141A | ND | | 1 |
| Fenthion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Merphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Mevinphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Naled | ND | ug/L | 0.50 | 0.17 | EPA-8141A | ND | | 1 |
| Phorate | ND | ug/L | 0.20 | 0.066 | EPA-8141A | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.20 | 0.082 | EPA-8141A | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Trichloronate | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Triphenylphosphate (Surrogate) | 41.8 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | S09 | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 02/19/25 11:00 | 02/22/25 06:38 | HAH | GC-18 | 1 | B206385 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|
| **QC Batch ID: B206385** | | | | | | | |
| Azinphos methyl | B206385-BLK1 | ND | ug/L | 0.50 | 0.12 | | 1 |
| Bolstar | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Chlorpyrifos | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Coumaphos | B206385-BLK1 | ND | ug/L | 0.50 | 0.11 | | 1 |
| Demeton O/S | B206385-BLK1 | ND | ug/L | 0.20 | 0.056 | | 1 |
| Diazinon | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Dichlorvos | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Disulfoton | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Ethoprop | B206385-BLK1 | ND | ug/L | 0.20 | 0.052 | | 1 |
| Fensulfothion | B206385-BLK1 | ND | ug/L | 0.20 | 0.051 | | 1 |
| Fenthion | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Merphos | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Methyl parathion | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Mevinphos | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Naled | B206385-BLK1 | ND | ug/L | 0.50 | 0.17 | | 1 |
| Phorate | B206385-BLK1 | ND | ug/L | 0.20 | 0.066 | | 1 |
| Ronnel (Fenchlorphos) | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Stirophos (Tetrachlorvinphos) | B206385-BLK1 | ND | ug/L | 0.20 | 0.082 | | 1 |
| Tokuthion (Prothiofos) | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Trichloronate | B206385-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| **Triphenylphosphate (Surrogate)** | **B206385-BLK1** | **79.4** | % | **50 - 130 (LCL - UCL)** | | | 1 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B206385-BLK1 | PB | EPA-8141A | 02/19/25 | 02/21/25 21:47 | HAH | GC-18 | 1 |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: B206385** | | | | | | | | | | | |
| Bolstar | B206385-BS1 | LCS | 1.2550 | 2.0000 | ug/L | 62.8 | | 50 - 130 | | | 1 |
| | B206385-BSD1 | LCSD | 1.3650 | 2.0000 | ug/L | 68.2 | 8.4 | 50 - 130 | 30 | | 2 |
| Chlorpyrifos | B206385-BS1 | LCS | 1.4100 | 2.0000 | ug/L | 70.5 | | 60 - 120 | | | 1 |
| | B206385-BSD1 | LCSD | 1.3750 | 2.0000 | ug/L | 68.8 | 2.5 | 60 - 120 | 30 | | 2 |
| Diazinon | B206385-BS1 | LCS | 1.3400 | 2.0000 | ug/L | 67.0 | | 60 - 130 | | | 1 |
| | B206385-BSD1 | LCSD | 1.3900 | 2.0000 | ug/L | 69.5 | 3.7 | 60 - 130 | 30 | | 2 |
| Methyl parathion | B206385-BS1 | LCS | 1.4600 | 2.0000 | ug/L | 73.0 | | 60 - 120 | | | 1 |
| | B206385-BSD1 | LCSD | 1.4400 | 2.0000 | ug/L | 72.0 | 1.4 | 60 - 120 | 30 | | 2 |
| Mevinphos | B206385-BS1 | LCS | 1.4550 | 2.0000 | ug/L | 72.8 | | 50 - 120 | | | 1 |
| | B206385-BSD1 | LCSD | 1.3600 | 2.0000 | ug/L | 68.0 | 6.7 | 50 - 120 | 30 | | 2 |
| Ronnel (Fenchlorphos) | B206385-BS1 | LCS | 1.4350 | 2.0000 | ug/L | 71.8 | | 50 - 120 | | | 1 |
| | B206385-BSD1 | LCSD | 1.4550 | 2.0000 | ug/L | 72.8 | 1.4 | 50 - 120 | 30 | | 2 |
| Stirophos (Tetrachlorvinphos) | B206385-BS1 | LCS | 1.4200 | 2.0000 | ug/L | 71.0 | | 50 - 120 | | | 1 |
| | B206385-BSD1 | LCSD | 1.5500 | 2.0000 | ug/L | 77.5 | 8.8 | 50 - 120 | 30 | | 2 |
| Triphenylphosphate (Surrogate) | B206385-BS1 | LCS | 1.5750 | 2.5000 | ug/L | 63.0 | | 50 - 130 | | | 1 |
| | B206385-BSD1 | LCSD | 1.6800 | 2.5000 | ug/L | 67.2 | 6.5 | 50 - 130 | | | 2 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B206385-BS1 | LCS | EPA-8141A | 02/19/25 | 02/21/25 22:16 | HAH | GC-18 | 1 |
| 2 | B206385-BSD1 | LCSD | EPA-8141A | 02/19/25 | 02/21/25 22:46 | HAH | GC-18 | 1 |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 02/25/2025 16:13
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

## Notes And Definitions

| | |
|---|---|
| MDL | Method Detection Limit |
| ND | Analyte Not Detected |
| PQL | Practical Quantitation Limit |
| S09 | The surrogate recovery for this compound was not within the control limits. |

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**Laboratory Job Number 526326**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2502C55

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-526326

**Project Location:**
**Project Received:** 02/18/2025

Analytical Report reviewed & approved for release on 02/25/2025 by:

Yen Cao

Yen Cao
Project Manager

***The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.***

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502C55

**Project:** EO-526326

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2502C55

**Project:** EO-526326

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| a3 | Sample diluted due to high organic content interfering with quantitative/or qualitative analysis. |
| b1 | Aqueous sample that contains greater than ~1 vol. % sediment. |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502C55 |
| **Date Received:** | 02/18/2025 11:57 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 02/20/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-526326 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN-WESTERN INLET | 2502C55-001A | Water | 02/13/2025 09:00 | GC15A 02192588.D | 311725 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 02/20/2025 20:50 |
| Bentazon | ND | 4.1 | 10 | 10 | 02/20/2025 20:50 |
| Chloramben | ND | 3.1 | 10 | 10 | 02/20/2025 20:50 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 02/20/2025 20:50 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 02/20/2025 20:50 |
| Dalapon | ND | 3.9 | 10 | 10 | 02/20/2025 20:50 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 02/20/2025 20:50 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 02/20/2025 20:50 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 02/20/2025 20:50 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 02/20/2025 20:50 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 02/20/2025 20:50 |
| MCPA | ND | 14 | 20 | 10 | 02/20/2025 20:50 |
| MCPP | ND | 7.7 | 20 | 10 | 02/20/2025 20:50 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 02/20/2025 20:50 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 02/20/2025 20:50 |
| Picloram | ND | 3.5 | 10 | 10 | 02/20/2025 20:50 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 02/20/2025 20:50 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 02/20/2025 20:50 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 99 | 60-140 | 02/20/2025 20:50 |

Analyst(s): DP  Analytical Comments: a3,b1

*(Cont.)*

CA ELAP 1644 • NELAP 4033ORELAP

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502C55 |
| **Date Received:** | 02/18/2025 11:57 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 02/20/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-526326 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN-EASTERN INLET | 2502C55-002A | Water | 02/13/2025 08:15 | GC15A 02192589.D | 311725 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 02/20/2025 21:15 |
| Bentazon | ND | 4.1 | 10 | 10 | 02/20/2025 21:15 |
| Chloramben | ND | 3.1 | 10 | 10 | 02/20/2025 21:15 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 02/20/2025 21:15 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 02/20/2025 21:15 |
| Dalapon | ND | 3.9 | 10 | 10 | 02/20/2025 21:15 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 02/20/2025 21:15 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 02/20/2025 21:15 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 02/20/2025 21:15 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 02/20/2025 21:15 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 02/20/2025 21:15 |
| MCPA | ND | 14 | 20 | 10 | 02/20/2025 21:15 |
| MCPP | ND | 7.7 | 20 | 10 | 02/20/2025 21:15 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 02/20/2025 21:15 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 02/20/2025 21:15 |
| Picloram | ND | 3.5 | 10 | 10 | 02/20/2025 21:15 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 02/20/2025 21:15 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 02/20/2025 21:15 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 106 | 60-140 | 02/20/2025 21:15 |

Analyst(s): DP

Analytical Comments: a3,b1

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502C55 |
| **Date Prepared:** | 02/20/2025 | **BatchID:** | 311725 |
| **Date Analyzed:** | 02/20/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-526326 | **Sample ID:** | MB/LCS/LCSD-311725 |

## QC Summary Report for SW8151A

| Analyte | MB Result | MDL | RL | SPK Val | MB IS/SS %REC | MB IS/SS Limits |
|---|---|---|---|---|---|---|
| Acifluorfen | ND | 0.26 | 1.0 | - | - | - |
| Bentazon | ND | 0.41 | 1.0 | - | - | - |
| Chloramben | ND | 0.31 | 1.0 | - | - | - |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.059 | 0.20 | - | - | - |
| 2,4-DB | ND | 0.21 | 1.0 | - | - | - |
| Dalapon | ND | 0.39 | 1.0 | - | - | - |
| DCPA (mono & diacid) | ND | 0.14 | 1.0 | - | - | - |
| Dicamba | ND | 0.059 | 0.20 | - | - | - |
| 3,5-Dichlorobenzoic Acid | ND | 0.19 | 1.0 | - | - | - |
| Dichloroprop | ND | 0.18 | 1.0 | - | - | - |
| Dinoseb (DNBP) | ND | 0.18 | 1.0 | - | - | - |
| MCPA | ND | 1.4 | 2.0 | - | - | - |
| MCPP | ND | 0.77 | 2.0 | - | - | - |
| 4-Nitrophenol | ND | 0.50 | 1.0 | - | - | - |
| Pentachlorophenol (PCP) | ND | 0.055 | 0.20 | - | - | - |
| Picloram | ND | 0.35 | 1.0 | - | - | - |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.056 | 0.20 | - | - | - |
| 2,4,5-TP (Silvex) | ND | 0.14 | 0.50 | - | - | - |
| **Surrogate Recovery** | | | | | | |
| DCAA | 11 | | | 10 | 111 | 70-130 |

*(Cont.)*

CA ELAP 1644 • NELAP 4033ORELAP

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2502C55 |
| **Date Prepared:** | 02/20/2025 | **BatchID:** | 311725 |
| **Date Analyzed:** | 02/20/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-526326 | **Sample ID:** | MB/LCS/LCSD-311725 |

## QC Summary Report for SW8151A

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Acifluorfen | 11 | 10 | 10 | 114 | 100 | 70-130 | 13.0 | 30 |
| Bentazon | 11 | 10 | 10 | 108 | 103 | 70-130 | 3.95 | 30 |
| Chloramben | 11 | 10 | 10 | 108 | 102 | 70-130 | 5.77 | 30 |
| 2,4-D (Dichlorophenoxyacetic acid) | 10 | 9.6 | 10 | 100 | 96 | 70-130 | 4.19 | 30 |
| 2,4-DB | 11 | 11 | 10 | 110 | 107 | 70-130 | 2.75 | 30 |
| Dalapon | 11 | 10 | 10 | 113 | 103 | 70-130 | 9.31 | 30 |
| DCPA (mono & diacid) | 11 | 10 | 10 | 108 | 102 | 70-130 | 5.78 | 30 |
| Dicamba | 10 | 9.7 | 10 | 105 | 97 | 70-130 | 7.71 | 30 |
| 3,5-Dichlorobenzoic Acid | 10 | 9.5 | 10 | 103 | 95 | 70-130 | 8.90 | 30 |
| Dichloroprop | 10 | 9.4 | 10 | 101 | 94 | 70-130 | 7.15 | 30 |
| Dinoseb (DNBP) | 11 | 10 | 10 | 106 | 100 | 70-130 | 5.92 | 30 |
| MCPA | 99 | 87 | 100 | 99 | 87 | 70-130 | 12.8 | 30 |
| MCPP | 110 | 97 | 100 | 110 | 97 | 70-130 | 12.6 | 30 |
| 4-Nitrophenol | 11 | 10 | 10 | 109 | 100 | 70-130 | 9.17 | 30 |
| Pentachlorophenol (PCP) | 10 | 9.8 | 10 | 105 | 98 | 70-130 | 6.28 | 30 |
| Picloram | 11 | 9.9 | 10 | 107 | 99 | 70-130 | 7.70 | 30 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | 10 | 9.8 | 10 | 103 | 98 | 70-130 | 4.99 | 30 |
| 2,4,5-TP (Silvex) | 10 | 9.8 | 10 | 104 | 98 | 70-130 | 5.86 | 30 |
| **Surrogate Recovery** | | | | | | | | |
| DCAA | 11 | 11 | 10 | 111 | 107 | 70-130 | 3.00 | 30 |

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1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2502C55** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☐ EQuIS ☐ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☐ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-526326

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **02/18/2025**
*Date Logged:* **02/19/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2502C55-001 | SOUTH BASIN-WESTERN INLET | Water | 2/13/2025 09:00 | ☐ | A | A | | | | | | | | | | |
| 2502C55-002 | SOUTH BASIN-EASTERN INLET | Water | 2/13/2025 08:15 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 8151_W | 2 | PRDisposal Fee | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Agustina Venegas**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-526326
**Comments:**

**Work Order:** 2502C55
**QC Level:** LEVEL 2
**Date Logged:** 2/19/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH BASIN-WESTERN INLET | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 2/13/2025 9:00 | 5 days | 2/25/2025 | 1%+ | ☐ | ☐ |
| 002A | SOUTH BASIN-EASTERN INLET | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 2/13/2025 8:15 | 5 days | 2/25/2025 | 5%+ | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2502055

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-526326
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| +1 SOUTH BASIN - WESTERN INLET | 13-FEB-2025 09:00 | 526326-001 | 1 | Water | EPA 8151A Chlorinated Herbicides | |
| +5 SOUTH BASIN - EASTERN INLET | 13-FEB-2025 08:15 | 526326-002 | 1 | Water | EPA 8151A Chlorinated Herbicides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | | |
| | Date: 2/17/25 | Date: 2/18/25 1157A |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1 of 1
GSO:5600001712

0.6 cwa 1233

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-526326

Date and Time Received: 2/18/2025 11:57
Date Logged: 2/19/2025
Received by: Agustina Venegas
Logged by: Agustina Venegas

WorkOrder №: 2502C55 Matrix: Water
Carrier: Golden State Overnight

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☐ | No | ☑ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.6°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

**Laboratory Job Number 526326**

**Subcontracted Products**

**Enthalpy - El Dorado Hills**

February 25, 2025

**Enthalpy Analytical - El Dorado Hills**
**Work Order No. 2502181**

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on February 18, 2025 under your Project Name 'EO-526326'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

*Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .*

**Enthalpy Analytical - EDH Work Order No. 2502181**
**Case Narrative**

**Sample Condition on Receipt:**

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

**Analytical Notes:**

**EPA Method 8290A**

The samples were extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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# Sample Inventory Report

| Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 2502181-01 | SOUTH BASIN-WESTERN INLET | 13-Feb-25 09:00 | 18-Feb-25 11:30 | Amber Glass NM Bottle, 1L |
| 2502181-02 | SOUTH BASIN-EASTERN INLET | 13-Feb-25 08:15 | 18-Feb-25 11:30 | Amber Glass NM Bottle, 1L |

**ANALYTICAL RESULTS**

## Sample ID: Method Blank

**EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-526326
Matrix: Aqueous

**Laboratory Data**

Lab Sample: B25B224-BLK1
QC Batch: B25B224
Sample Size: 1.00 L
Date Extracted: 21-Feb-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.78 | 5.00 | | 22-Feb-25 16:28 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 89.5 | 40 - 135 | | 22-Feb-25 16:28 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 120 | 40 - 135 | | 22-Feb-25 16:28 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

**Sample ID: OPR** **EPA Method 8290A**

**Client Data**
Name: Enthalpy Analytical
Project: EO-526326
Matrix: Aqueous

**Laboratory Data**
Lab Sample: B25B224-BS1
QC Batch: B25B224 Date Extracted: 21-Feb-25 03:34
Sample Size: 1.00 L Column: ZB-DIOXIN

| Analyte | Amt Found (pg/L) | Spike Amt | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | 186 | 200 | 93.1 | 70-130 | | 22-Feb-25 14:10 | 1 |
| **Labeled Standards** | **Type** | | **% Recovery** | **Limits** | **Qualifiers** | **Analyzed** | **Dilution** |
| 13C-2,3,7,8-TCDD | IS | | 87.5 | 40-135 | | 22-Feb-25 14:10 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | | 108 | 40-135 | | 22-Feb-25 14:10 | 1 |

**Sample ID: SOUTH BASIN-WESTERN INLET** **EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-526326
Matrix: Water
Date Collected: 13-Feb-25 09:00

**Laboratory Data**

Lab Sample: 2502181-01
QC Batch: B25B224
Sample Size: 1.04 L
Date Received: 18-Feb-25 11:30
Date Extracted: 21-Feb-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.71 | 4.80 | | 22-Feb-25 17:59 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 49.8 | 40 - 135 | | 22-Feb-25 17:59 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 107 | 40 - 135 | | 22-Feb-25 17:59 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

## Sample ID: SOUTH BASIN-EASTERN INLET

**EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-526326
Matrix: Water
Date Collected: 13-Feb-25 08:15

**Laboratory Data**

Lab Sample: 2502181-02
QC Batch: B25B224
Sample Size: 1.04 L
Date Received: 18-Feb-25 11:30
Date Extracted: 21-Feb-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.72 | 4.83 | | 22-Feb-25 18:45 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 51.4 | 40 - 135 | | 22-Feb-25 18:45 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 114 | 40 - 135 | | 22-Feb-25 18:45 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| B | This compound was also detected in the method blank |
| Conc. | Concentration |
| CRS | Cleanup Recovery Standard |
| D | Dilution |
| DL | Detection Limit |
| E | The associated compound concentration exceeded the calibration range of the instrument |
| H | Recovery and/or RPD was outside laboratory acceptance limits |
| I | Chemical Interference |
| IS | Internal Standard |
| J | The amount detected is below the Reporting Limit/LOQ |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| M | Estimated Maximum Possible Concentration (CA Region 2 projects only) |
| MDL | Method Detection Limit |
| NA | Not applicable |
| ND | Not Detected |
| OPR | Ongoing Precision and Recovery sample |
| P | The reported concentration may include contribution from chlorinated diphenyl ether(s). |
| Q | The ion transition ratio is outside of the acceptance criteria. |
| RL | Reporting Limit |
| RL | For 537.1, the reported RLs are the MRLs. |
| TEQ | Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations. |
| TEQMax | TEQ calculation that uses the detection limit as the concentration for non-detects |
| TEQMin | TEQ calculation that uses zero as the concentration for non-detects |
| TEQRisk | TEQ calculation that uses ½ the detection limit as the concentration for non-detects |
| U | Not Detected (specific projects only) |
| * | See Cover Letter |

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

**Enthalpy Analytical - EDH Certifications**

| Accrediting Authority | Certificate Number |
|---|---|
| Alaska Department of Environmental Conservation | 17-013 |
| Arkansas Department of Environmental Quality | 21-023-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025 | 3091.01 |
| Florida Department of Health | E87777 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2020018 |
| Michigan Department of Environmental Quality | 9932 |
| Minnesota Department of Health | 2211390 |
| Nevada Division of Environmental Protection | CA00413 |
| New Hampshire Environmental Accreditation Program | 207721 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Ohio Environmental Protection Agency | 87778 |
| Oregon Laboratory Accreditation Program | 4042-021 |
| Texas Commission on Environmental Quality | T104704189-22-13 |
| Vermont Department of Health | VT-4042 |
| Virginia Department of General Services | 11276 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.*

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-526326
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

2502181 2.0C

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

Notes:

| Chiquita Canyon Landfill Stormwater |
|---|

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 13-FEB-2025 09:00 | 526326-001 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |
| SOUTH BASIN - EASTERN INLET | 13-FEB-2025 08:15 | 526326-002 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | | |
| | Date: 2/17/25 | Date: 02/18/2025 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

# CoC/Label Reconciliation Report WO# 2502181

| LabNumber | CoC Sample ID | SampleAlias | Sample Date/Time | Container | BaseMatrix | Sample Comments |
|---|---|---|---|---|---|---|
| 2502181-01 | A SOUTH BASIN-WESTERN INLET ☑ | 526326-001 | 13-Feb-25 09:00 ☑ | Amber Glass NM Bottle, 1L | Aqueous | |
| 2502181-02 | A SOUTH BASIN-EASTERN INLET ☑ | 526326-002 | 13-Feb-25 08:15 ☑ | Amber Glass NM Bottle, 1L | Aqueous | |

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

| CONDITION | Yes | No | NA |
|---|---|---|---|
| Sample Container Intact? | / | | |
| Sample Container(s) Custody Seals Intact? | | | / |
| Custody Seals On Cooler Intact? | | | / |
| Adequate Sample Volume? | / | | |
| Container Type Appropriate for Analysis(es)? | / | | |

Comments:

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: XAO 02/18/25
KBB 02/18/2025

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 527718
Report Level : II
Report Date : 03/14/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Location: PROJ-037507

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

Lab Job #: 527718
Location: PROJ-037507
Date Received: 02/28/25

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| CACA250228SOUTHBASINDISCHARGE | 527718-001 | 02/28/25 10:00 | Water |
| TRIP BLANK | 527718-002 | 02/28/25 10:00 | Water |

# Case Narrative

Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Kate Logan

Lab Job Number: 527718
Location: PROJ-037507
Date Received: 02/28/25

This data package contains sample and QC results for one water sample, requested for the above referenced project on 02/28/25. The sample was received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recoveries were observed for MTBE in the MS/MSD for batch 365033; the parent sample was not a project sample, the BS/BSD were within limits, the associated RPD was within limits, and these low recoveries were not associated with any reported results.
- CACA250228SOUTHBASINDISCHARGE (lab # 527718-001) had pH greater than 2.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS (EPA 8270C):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS (EPA 625.1):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**

- CACA250228SOUTHBASINDISCHARGE (lab # 527718-001) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

**Pesticides (EPA 8081A):**

- CACA250228SOUTHBASINDISCHARGE (lab # 527718-001) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**PCBs (EPA 8082):**

- CACA250228SOUTHBASINDISCHARGE (lab # 527718-001) was treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- CACA250228SOUTHBASINDISCHARGE (lab # 527718-001) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

**Metals (EPA 200.7, EPA 200.8, and EPA 245.1):**

- High response was observed for antimony in the ICV analyzed 03/03/25 23:14; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- High recovery was observed for antimony in the LCS for batch 364633; this analyte was not detected at or above the RL in the associated sample.
- No other analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Low recoveries were observed for fluoride in the MS/MSD for batch 364575; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

**Conductivity (SM2510B):**
No analytical problems were encountered.

**Total Phenolics (EPA 420.1):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (SM5220D):**
No analytical problems were encountered.

**Biochemical Oxygen Demand (SM5210B):**
No analytical problems were encountered.

**Turbidity (SM2130B):**
No analytical problems were encountered.

**Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

**Organophosphorus Pesticides (EPA 8141A):**
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

**8151A Chlorinated Herbicides (EPA 8151A):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

**Dioxins & Furans (EPA 8290):**
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 527718

Page: 1 of 3

**Turn Around Time (rush by advanced notice only)**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** 10.6 IR-15 (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | Quote #: | |
| Report To: | KATE LOGAN | | |
| Email: | Kate.Logan@WasteConnections.com | Project #: | PROJ-037507 |
| Address: | 29201 HENRY MAYO DR | P.O. #: | |
| | CASTAIC, CA 91384 | Address: | |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | Sampled By: | CH SA |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | 200.8 CHROMIUM, ZINC ARSENIC | 8260 + Appendix II | RSK-175 CO2, 8260 Acrolein/Acrylonitrile | 300.0 NO3, Bromide, Fluoride, SO4 | TOC | COD | 8270 SIM 1,4-Dioxane | Alk, Bicarb, TDS | Sulfide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CACA250228SOUTHBASINDISCHARGE | 02/28/25 | 1000 | W | 13 | 2,3,4,5,6 | x | x | x | x | x | x | x | x | x |
| 2 | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

**Test Instructions / Comments**

Mpars

PH 9.43

Temp 25.2

Login 527718

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Caleb Hevcyk | CTEH | 2/28/2025 1415 |
| [1] Received By: | | | | 2/28/25 1415 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 527718

Page: 2 of 3

**Turn Around Time (rush by advanced notice only)**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | Quote #: | |
| Report To: | KATE LOGAN | | |
| Email: | Kate.Logan@WasteConnections.com | Project #: | PROJ-037507 |
| Address: | 29201 HENRY MAYO DR | P.O. #: | |
| | CASTAIC, CA 91384 | Address: | |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | Sampled By: | CH ST |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | 200.8 CHROMIUM, ZINC ARSENIC | 625 | Ammonia | BOD | 8270C + App II, 8081/8082, 8141, 8151, 82 | Test Instructions / Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CACA250228SOUTHBASINDISCHARGE | 02/28/25 | 1000 | W | 5 | 2,3,4,5,6 | x | x | x | x | x | Subchapter N<br>pH 9.43<br>Temp 25.2 |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Caleb Hercyk | CTEH | 2/28/2025 1415 |
| [1] Received By: | | Chim | EA | 2/28/25 1415 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 527718

Page: 3 of 3

**Turn Around Time (rush by advanced notice only)**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

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**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt Temp:** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | Quote #: | |
| Report To: | KATE LOGAN | | |
| Email: | Kate.Logan@WasteConnections.com | Project #: | PROJ-037507 |
| Address: | 29201 HENRY MAYO DR | P.O. #: | |
| | CASTAIC, CA 91384 | Address: | |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | Sampled By: | Z |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | 200.8 CHROMIUM, ZINC ARSENIC | 8260 + Appendix II[2] | RSK-175 CO2, 8260 Acrolein/Acrylonitrile | 8270C + App II, 8081/8082, 8141, 8151, 82 | Cyanide | Phenols | Sulfide | | | | Test Instructions / Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CACA250228SOUTHBASINDISCHARGE | 02/28/25 | 1000 | W | 7 | 2,3,4,5,6 | x | x | x | x | x | x | x | | | | Appendix II<br>pH 9.43<br>Temp 25.2 |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Caleb Hevyk | CTEH | 2/2/2025 1415 |
| [1] Received By: | | Ghim | GA | 2/28/25 1415 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

## SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 2/28/25 WO# 527718 Client: Chiquita Canyon - Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ■ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/28/25 By (initials) ABD Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0

Cooler Temp (°C) #1: 10.6 / 10.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | ✓ | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | ✓ | | |
| 5) Were all of, and only, the correct samples received? | | ✓ | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | ✓* | | |
| 7) Does the container count match the CoC? | | ✓ | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | ✓ | | |
| 9) Were samples received in proper containers for the analyses requested? | ✓ | | |
| 10) Were samples received with > 1/2 holding time remaining? | ✓ | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | ✓ | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | ✓ |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.7 ~~4.5) the COC lists 25 containers but we received 29 containers.~~

ocr 4.5) Travel Blank not on COC

* 4.6) One vial had nothing written on the labels; Phenol bottle unlabeled

☐ **No additional discrepancies**

**Date Logged** 2/28/25 **By (print)** JJP **(sign)** for JJP

**Date Labeled** 2/28/25 **By (print)** ARA **(sign)** for ARA

ENTHALPY ANALYTICAL

# Analysis Results for 527718

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 527718
Location: PROJ-037507
Date Received: 02/28/25

| **Sample ID:** | **Lab ID:** | **527718-001** | **Collected:** | **02/28/25 10:00** |
|---|---|---|---|---|
| **CACA250228SOUTHBASINDISCHARGE** | **Matrix:** | **Water** | | |

| 527718-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **100** | | mg/L | 0.57 | 0.57 | 1 | 364703 | 03/03/25 | 03/03/25 | CAP |
| Magnesium | **16** | | mg/L | 0.10 | 0.025 | 1 | 364703 | 03/03/25 | 03/03/25 | CAP |
| Potassium | **14** | | mg/L | 0.50 | 0.42 | 1 | 364703 | 03/03/25 | 03/03/25 | CAP |
| Sodium | **77** | | mg/L | 0.50 | 0.34 | 1 | 364703 | 03/03/25 | 03/03/25 | CAP |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **400** | | ug/L | 100 | 56 | 10 | 364633 | 03/01/25 | 03/04/25 | DXC |
| Tin | ND | | ug/L | 5.0 | 0.49 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Antimony | **1.8** | J,b | ug/L | 2.0 | 0.31 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Arsenic | **6.2** | | ug/L | 2.0 | 0.22 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Barium | **53** | | ug/L | 5.0 | 0.46 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Beryllium | ND | | ug/L | 1.0 | 0.21 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Cadmium | ND | | ug/L | 1.0 | 0.26 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Chromium | **2.6** | J | ug/L | 5.0 | 0.34 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Cobalt | **1.9** | | ug/L | 1.0 | 0.074 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Copper | **4.4** | | ug/L | 3.0 | 2.0 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Lead | **0.63** | J | ug/L | 5.0 | 0.16 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Manganese | **100** | | ug/L | 10 | 4.3 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Nickel | **5.3** | | ug/L | 5.0 | 0.84 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Selenium | **1.8** | J | ug/L | 2.0 | 1.6 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Silver | ND | | ug/L | 5.0 | 0.51 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Thallium | ND | | ug/L | 1.0 | 0.19 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Vanadium | **4.0** | J | ug/L | 5.0 | 0.36 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Zinc | **16** | | ug/L | 10 | 7.4 | 1 | 364633 | 03/01/25 | 03/03/25 | DXC |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | ND | | ug/L | 0.40 | 0.17 | 1 | 364710 | 03/03/25 | 03/03/25 | MLL |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.99** | | mg/L | 0.20 | 0.073 | 1 | 364575 | 02/28/25 15:12 | 03/01/25 00:45 | JAA |
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 1 | 364575 | 02/28/25 15:12 | 03/01/25 00:45 | JAA |
| Bromide | **0.61** | | mg/L | 0.30 | 0.060 | 1 | 364575 | 02/28/25 15:12 | 03/01/25 00:45 | JAA |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 364575 | 02/28/25 15:12 | 03/01/25 00:45 | JAA |
| Sulfate | **230** | | mg/L | 10 | 1.8 | 10 | 364575 | 02/28/25 15:12 | 03/01/25 01:02 | JAA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 527718

| 527718-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **2.0** | | mg/L | 0.20 | 0.10 | 2 | 365538 | 03/11/25 | 03/12/25 | JAK |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | **0.011** | | mg/L | 0.010 | 0.0047 | 1 | 365816 | 03/13/25 | 03/13/25 | LVL |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Benzoic acid | ND | | ug/L | 47 | 18 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Pyridine | ND | | ug/L | 9.4 | 3.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Phenol | ND | | ug/L | 9.4 | 3.3 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2-Methylphenol | ND | | ug/L | 9.4 | 3.0 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Naphthalene | ND | | ug/L | 9.4 | 2.5 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Cresol | ND | | ug/L | 9.4 | | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 1.0 | 0.3 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| beta-BHC | ND | | ug/L | 1.0 | 0.5 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| gamma-BHC | ND | | ug/L | 1.0 | 0.4 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| delta-BHC | ND | | ug/L | 1.0 | 0.4 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Heptachlor | ND | | ug/L | 1.0 | 0.4 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Aldrin | ND | | ug/L | 1.0 | 0.6 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Heptachlor epoxide | ND | | ug/L | 1.0 | 0.5 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Endosulfan I | ND | | ug/L | 1.0 | 0.5 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Dieldrin | ND | | ug/L | 1.9 | 0.5 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| 4,4'-DDE | ND | | ug/L | 1.9 | 0.6 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Endrin | ND | | ug/L | 1.9 | 0.5 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Endosulfan II | ND | | ug/L | 1.9 | 0.5 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Endosulfan sulfate | ND | | ug/L | 1.9 | 0.6 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| 4,4'-DDD | ND | | ug/L | 1.9 | 0.5 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Endrin aldehyde | ND | | ug/L | 1.9 | 0.8 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Endrin ketone | ND | | ug/L | 1.9 | 0.7 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| 4,4'-DDT | ND | | ug/L | 1.9 | 0.8 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Methoxychlor | ND | | ug/L | 1.9 | 1.0 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Toxaphene | ND | | ug/L | 38 | 5.5 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Chlordane (Technical) | ND | | ug/L | 19 | 2.7 | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| TCMX | | DO | %REC | 14-120 | | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Decachlorobiphenyl | | DO | %REC | 20-120 | | 19 | 364804 | 03/04/25 | 03/05/25 | MES |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 2.4 | 1.8 | 4.8 | 364804 | 03/04/25 | 03/05/25 | MES |
| Aroclor-1221 | ND | | ug/L | 2.4 | 2.0 | 4.8 | 364804 | 03/04/25 | 03/05/25 | MES |
| Aroclor-1232 | ND | | ug/L | 2.4 | 1.7 | 4.8 | 364804 | 03/04/25 | 03/05/25 | MES |
| Aroclor-1242 | ND | | ug/L | 2.4 | 1.7 | 4.8 | 364804 | 03/04/25 | 03/05/25 | MES |
| Aroclor-1248 | ND | | ug/L | 2.4 | 1.6 | 4.8 | 364804 | 03/04/25 | 03/05/25 | MES |
| Aroclor-1254 | ND | | ug/L | 2.4 | 0.87 | 4.8 | 364804 | 03/04/25 | 03/05/25 | MES |
| Aroclor-1260 | ND | | ug/L | 2.4 | 2.2 | 4.8 | 364804 | 03/04/25 | 03/05/25 | MES |
| Aroclor-1262 | ND | | ug/L | 2.4 | 1.9 | 4.8 | 364804 | 03/04/25 | 03/05/25 | MES |
| Aroclor-1268 | ND | | ug/L | 2.4 | 1.2 | 4.8 | 364804 | 03/04/25 | 03/05/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 527718

| 527718-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 96% | | %REC | 18-126 | | 4.8 | 364804 | 03/04/25 | 03/05/25 | MES |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.7 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.6 | 1 | 365033 | 03/06/25 | 03/06/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.3 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Ethanol | **1,700** | | ug/L | 500 | 250 | 1 | 365033 | 03/06/25 | 03/06/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.8 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Isopropanol (IPA) | **120** | J | ug/L | 200 | 64 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 2.5 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.7 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Iodomethane | ND | | ug/L | 5.8 | | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Acetone | **130** | | ug/L | 100 | 44 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 2-Butanone | **28** | | ug/L | 10 | 2.3 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 0.9 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 527718

| 527718-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| para-Isopropyl Toluene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| 1,2-Dichloroethane-d4 | 105% | | %REC | 70-130 | | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Toluene-d8 | 97% | | %REC | 70-130 | | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 364694 | 03/03/25 | 03/03/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 9.5 | 3.5 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 9.5 | 4.6 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Naphthalene | ND | | ug/L | 9.5 | 3.9 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Acenaphthylene | ND | | ug/L | 9.5 | 4.0 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Acenaphthene | ND | | ug/L | 9.5 | 3.3 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Fluorene | ND | | ug/L | 9.5 | 3.1 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Phenanthrene | ND | | ug/L | 9.5 | 3.6 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Anthracene | ND | | ug/L | 9.5 | 3.4 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Fluoranthene | ND | | ug/L | 9.5 | 3.3 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Pyrene | ND | | ug/L | 9.5 | 3.1 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 9.5 | 2.8 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Chrysene | ND | | ug/L | 9.5 | 3.1 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 9.5 | 3.1 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 9.5 | 3.1 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 527718

| 527718-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzo(a)pyrene | ND | | ug/L | 9.5 | 2.4 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 9.5 | 2.7 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 9.5 | 3.5 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 9.5 | 3.8 | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 49% | | %REC | 16-125 | | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| 2-Fluorobiphenyl | 54% | | %REC | 17-120 | | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Terphenyl-d14 | 68% | | %REC | 39-123 | | 19 | 364668 | 03/02/25 | 03/03/25 | XLY |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | **14** | | ug/L | 1.0 | 0.95 | 1 | 364667 | 03/02/25 | 03/03/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 364667 | 03/02/25 | 03/03/25 | XLY |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 9.4 | 2.2 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| N-Nitrosodimethylamine | ND | | ug/L | 9.4 | 2.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Aniline | ND | | ug/L | 9.4 | 4.2 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| bis(2-Chloroethyl)ether | ND | | ug/L | 23 | 2.9 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2-Chlorophenol | ND | | ug/L | 9.4 | 2.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 1,3-Dichlorobenzene | ND | | ug/L | 9.4 | 3.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 1,4-Dichlorobenzene | ND | | ug/L | 9.4 | 3.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Benzyl alcohol | ND | | ug/L | 9.4 | 5.4 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 1,2-Dichlorobenzene | ND | | ug/L | 9.4 | 3.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 9.4 | 2.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 3-,4-Methylphenol | ND | | ug/L | 9.4 | 2.5 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 9.4 | 3.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Hexachloroethane | ND | | ug/L | 9.4 | 3.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Nitrobenzene | ND | | ug/L | 23 | 6.0 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Isophorone | ND | | ug/L | 9.4 | 1.8 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2-Nitrophenol | ND | | ug/L | 9.4 | 5.3 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2,4-Dimethylphenol | ND | | ug/L | 9.4 | 4.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 9.4 | 2.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2,4-Dichlorophenol | ND | | ug/L | 9.4 | 2.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 9.4 | 2.4 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 4-Chloroaniline | ND | | ug/L | 9.4 | 2.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Hexachlorobutadiene | ND | | ug/L | 9.4 | 3.7 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 4-Chloro-3-methylphenol | ND | | ug/L | 9.4 | 2.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 9.4 | 2.3 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Hexachlorocyclopentadiene | ND | | ug/L | 23 | 4.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2,4,6-Trichlorophenol | ND | | ug/L | 9.4 | 2.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2,4,5-Trichlorophenol | ND | | ug/L | 9.4 | 2.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2-Chloronaphthalene | ND | | ug/L | 9.4 | 2.3 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2-Nitroaniline | ND | | ug/L | 47 | 3.5 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Dimethylphthalate | ND | | ug/L | 9.4 | 3.0 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Acenaphthylene | ND | | ug/L | 9.4 | 2.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2,6-Dinitrotoluene | ND | | ug/L | 9.4 | 3.5 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 3-Nitroaniline | ND | | ug/L | 9.4 | 1.7 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Acenaphthene | ND | | ug/L | 9.4 | 2.4 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2,4-Dinitrophenol | ND | | ug/L | 47 | 3.3 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 527718

| 527718-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Nitrophenol | ND | | ug/L | 9.4 | 1.4 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Dibenzofuran | ND | | ug/L | 9.4 | 2.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2,4-Dinitrotoluene | ND | | ug/L | 9.4 | 2.9 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Diethylphthalate | ND | | ug/L | 9.4 | 2.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Fluorene | ND | | ug/L | 9.4 | 2.0 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 9.4 | 2.3 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 4-Nitroaniline | ND | | ug/L | 9.4 | 2.7 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 47 | 3.0 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| N-Nitrosodiphenylamine | ND | | ug/L | 9.4 | 3.7 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 9.4 | 2.2 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 4-Bromophenyl-phenylether | ND | | ug/L | 9.4 | 2.2 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Hexachlorobenzene | ND | | ug/L | 9.4 | 2.3 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Pentachlorophenol | ND | | ug/L | 23 | 2.4 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Phenanthrene | ND | | ug/L | 9.4 | 2.4 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Anthracene | ND | | ug/L | 9.4 | 2.0 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Di-n-butylphthalate | ND | | ug/L | 9.4 | 2.3 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Fluoranthene | ND | | ug/L | 9.4 | 2.5 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Benzidine | ND | | ug/L | 47 | 15 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Pyrene | ND | | ug/L | 9.4 | 2.2 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Butylbenzylphthalate | ND | | ug/L | 9.4 | 2.4 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 23 | 2.7 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 9.4 | 2.0 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Chrysene | ND | | ug/L | 9.4 | 2.4 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 9.4 | 2.6 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Di-n-octylphthalate | ND | | ug/L | 9.4 | 4.5 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 9.4 | 2.2 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 9.4 | 2.2 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Benzo(a)pyrene | ND | | ug/L | 9.4 | 2.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 9.4 | 5.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 9.4 | 7.1 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 9.4 | 3.3 | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 28% | | %REC | 10-140 | | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Phenol-d6 | 18% | | %REC | 10-140 | | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2,4,6-Tribromophenol | 56% | | %REC | 12-140 | | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Nitrobenzene-d5 | 43% | | %REC | 10-140 | | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| 2-Fluorobiphenyl | 40% | | %REC | 11-140 | | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Terphenyl-d14 | 50% | | %REC | 20-140 | | 0.94 | 364652 | 03/03/25 | 03/05/25 | XLY |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 0.5 | 364900 | 03/05/25 | 03/05/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 364627 | 03/01/25 | 03/01/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **68** | | mg/L | 1.0 | 0.24 | 1 | 364825 | 03/04/25 | 03/05/25 | DXA |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **33** | | NTU | 0.10 | 0.009 | 1 | 364615 | 02/28/25 21:44 | 02/28/25 21:44 | ARM |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 527718

| 527718-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **180** | | mg/L | 12 | | 5 | 365009 | 03/05/25 | 03/05/25 | WWC |
| Alkalinity, Total as CaCO3 | **150** | | mg/L | 10 | | 5 | 365009 | 03/05/25 | 03/05/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **970** | | umhos/cm | 1.0 | | 1 | 365360 | 03/09/25 | 03/09/25 | RDL |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **680** | | mg/L | 20 | | 2 | 365021 | 03/05/25 | 03/06/25 | RDL |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **84** | BOD3 | mg/L | 3.0 | | 1 | 364571 | 02/28/25 19:15 | 03/05/25 12:17 | AAB |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **210** | | mg/L | 4.0 | 1.6 | 1 | 365526 | 03/11/25 | 03/11/25 | DXA |

| | |
|---|---|
| BOD3 | Estimated result due to over-depletion |
| DO | Diluted Out |
| J | Estimated value |
| ND | Not Detected |
| b | See narrative |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1234783 | Batch: 364703 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1234783 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/03/25 | 03/03/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 03/03/25 | 03/03/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 03/03/25 | 03/03/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 03/03/25 | 03/03/25 |

| Type: Lab Control Sample | Lab ID: QC1234784 | Batch: 364703 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1234784 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 20.49 | 20.40 | mg/L | 100% | | 85-115 |
| Magnesium | 20.56 | 20.40 | mg/L | 101% | | 85-115 |
| Potassium | 23.19 | 24.00 | mg/L | 97% | | 85-115 |
| Sodium | 20.06 | 20.40 | mg/L | 98% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1234785 | Batch: 364703 |
|---|---|---|
| Matrix (Source ID): Water (527684-001) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1234785 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 332.9 | 316.2 | 20.40 | mg/L | 82% | NM | 75-125 | 1 |
| Magnesium | 91.97 | 68.42 | 20.40 | mg/L | 115% | | 75-125 | 1 |
| Potassium | 70.89 | 46.66 | 24.00 | mg/L | 101% | | 75-125 | 1 |
| Sodium | 146.3 | 126.7 | 20.40 | mg/L | 96% | NM | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1234786 | Batch: 364703 |
|---|---|---|
| Matrix (Source ID): Water (527684-001) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1234786 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 331.9 | 316.2 | 20.40 | mg/L | 77% | NM | 75-125 | 0 | 20 | 1 |
| Magnesium | 90.02 | 68.42 | 20.40 | mg/L | 106% | | 75-125 | 2 | 20 | 1 |
| Potassium | 69.77 | 46.66 | 24.00 | mg/L | 96% | | 75-125 | 2 | 20 | 1 |
| Sodium | 145.9 | 126.7 | 20.40 | mg/L | 94% | NM | 75-125 | 0 | 20 | 1 |

| Type: Serial Dilution | Lab ID: QC1235009 | Batch: 364703 |
|---|---|---|
| Matrix (Source ID): Water (527718-001) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1235009 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Calcium | 104.3 | 101.3 | mg/L | | | | 5 |
| Magnesium | 15.87 | 15.51 | mg/L | | | | 5 |
| Potassium | 13.82 | 13.60 | mg/L | | | | 5 |
| Sodium | 80.73 | 77.20 | mg/L | | | | 5 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1234483 | Batch: 364633 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1234483 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | ug/L | 10 | 5.7 | 03/01/25 | 03/03/25 |
| Tin | ND | | ug/L | 5.0 | 0.50 | 03/01/25 | 03/03/25 |
| Antimony | ND | | ug/L | 2.0 | 0.31 | 03/01/25 | 03/03/25 |
| Arsenic | ND | | ug/L | 2.0 | 0.38 | 03/01/25 | 03/03/25 |
| Barium | ND | | ug/L | 5.0 | 0.46 | 03/01/25 | 03/03/25 |
| Beryllium | ND | | ug/L | 1.0 | 0.21 | 03/01/25 | 03/03/25 |
| Cadmium | ND | | ug/L | 1.0 | 0.095 | 03/01/25 | 03/03/25 |
| Chromium | ND | | ug/L | 5.0 | 0.24 | 03/01/25 | 03/03/25 |
| Cobalt | ND | | ug/L | 1.0 | 0.10 | 03/01/25 | 03/03/25 |
| Copper | ND | | ug/L | 3.0 | 2.0 | 03/01/25 | 03/03/25 |
| Lead | ND | | ug/L | 5.0 | 0.18 | 03/01/25 | 03/03/25 |
| Manganese | ND | | ug/L | 10 | 3.4 | 03/01/25 | 03/03/25 |
| Nickel | ND | | ug/L | 5.0 | 0.74 | 03/01/25 | 03/03/25 |
| Selenium | ND | | ug/L | 2.0 | 1.6 | 03/01/25 | 03/03/25 |
| Silver | ND | | ug/L | 5.0 | 0.63 | 03/01/25 | 03/03/25 |
| Thallium | ND | | ug/L | 1.0 | 0.20 | 03/01/25 | 03/03/25 |
| Vanadium | ND | | ug/L | 5.0 | 0.26 | 03/01/25 | 03/03/25 |
| Zinc | ND | | ug/L | 10 | 7.4 | 03/01/25 | 03/03/25 |

| Type: Lab Control Sample | Lab ID: QC1234484 | Batch: 364633 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1234484 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 89.69 | 100.0 | ug/L | 90% | | 85-115 |
| Tin | 97.09 | 100.0 | ug/L | 97% | | 85-115 |
| Antimony | 118.1 | 100.0 | ug/L | 118% | * | 85-115 |
| Arsenic | 100.2 | 100.0 | ug/L | 100% | | 85-115 |
| Barium | 100.5 | 100.0 | ug/L | 100% | | 85-115 |
| Beryllium | 100.8 | 100.0 | ug/L | 101% | | 85-115 |
| Cadmium | 105.7 | 100.0 | ug/L | 106% | | 85-115 |
| Chromium | 106.0 | 100.0 | ug/L | 106% | | 85-115 |
| Cobalt | 112.1 | 100.0 | ug/L | 112% | | 85-115 |
| Copper | 107.3 | 100.0 | ug/L | 107% | | 85-115 |
| Lead | 103.7 | 100.0 | ug/L | 104% | | 85-115 |
| Manganese | 105.7 | 100.0 | ug/L | 106% | | 85-115 |
| Nickel | 111.0 | 100.0 | ug/L | 111% | | 85-115 |
| Selenium | 97.50 | 100.0 | ug/L | 97% | | 85-115 |
| Silver | 49.72 | 50.00 | ug/L | 99% | | 85-115 |
| Thallium | 102.7 | 100.0 | ug/L | 103% | | 85-115 |
| Vanadium | 106.0 | 100.0 | ug/L | 106% | | 85-115 |
| Zinc | 102.4 | 100.0 | ug/L | 102% | | 85-115 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1234485 | Batch: | 364633 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527543-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1234485 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 262.5 | 167.5 | 100.0 | ug/L | 95% | E,NM | 70-130 | 1 |
| Tin | 101.8 | 1.010 | 100.0 | ug/L | 101% | | 70-130 | 1 |
| Antimony | 125.4 | 0.5060 | 100.0 | ug/L | 125% | b | 70-130 | 1 |
| Arsenic | 107.5 | 3.266 | 100.0 | ug/L | 104% | | 70-130 | 1 |
| Barium | 260.2 | 166.2 | 100.0 | ug/L | 94% | | 70-130 | 1 |
| Beryllium | 99.43 | ND | 100.0 | ug/L | 99% | | 70-130 | 1 |
| Cadmium | 102.4 | 0.4201 | 100.0 | ug/L | 102% | | 70-130 | 1 |
| Chromium | 103.9 | 3.079 | 100.0 | ug/L | 101% | | 70-130 | 1 |
| Cobalt | 111.8 | 0.5640 | 100.0 | ug/L | 111% | | 70-130 | 1 |
| Copper | 110.2 | 7.520 | 100.0 | ug/L | 103% | | 70-130 | 1 |
| Lead | 104.3 | 1.135 | 100.0 | ug/L | 103% | | 70-130 | 1 |
| Manganese | 184.9 | 89.41 | 100.0 | ug/L | 96% | | 70-130 | 1 |
| Nickel | 105.3 | 1.828 | 100.0 | ug/L | 104% | | 70-130 | 1 |
| Selenium | 101.3 | 3.216 | 100.0 | ug/L | 98% | | 70-130 | 1 |
| Silver | 48.74 | ND | 50.00 | ug/L | 97% | | 70-130 | 1 |
| Thallium | 104.6 | ND | 100.0 | ug/L | 105% | | 70-130 | 1 |
| Vanadium | 109.5 | 7.036 | 100.0 | ug/L | 102% | | 70-130 | 1 |
| Zinc | 131.9 | 30.68 | 100.0 | ug/L | 101% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1234486 | Batch: | 364633 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527543-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1234486 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 273.5 | 167.5 | 100.0 | ug/L | 106% | E,NM | 70-130 | | 20 | 1 |
| Tin | 100.7 | 1.010 | 100.0 | ug/L | 100% | | 70-130 | 1 | 20 | 1 |
| Antimony | 123.8 | 0.5060 | 100.0 | ug/L | 123% | b | 70-130 | 1 | 20 | 1 |
| Arsenic | 106.4 | 3.266 | 100.0 | ug/L | 103% | | 70-130 | 1 | 20 | 1 |
| Barium | 256.6 | 166.2 | 100.0 | ug/L | 90% | | 70-130 | 1 | 20 | 1 |
| Beryllium | 100.4 | ND | 100.0 | ug/L | 100% | | 70-130 | 1 | 20 | 1 |
| Cadmium | 99.05 | 0.4201 | 100.0 | ug/L | 99% | | 70-130 | 3 | 20 | 1 |
| Chromium | 102.8 | 3.079 | 100.0 | ug/L | 100% | | 70-130 | 1 | 20 | 1 |
| Cobalt | 121.9 | 0.5640 | 100.0 | ug/L | 121% | | 70-130 | 9 | 20 | 1 |
| Copper | 109.7 | 7.520 | 100.0 | ug/L | 102% | | 70-130 | 0 | 20 | 1 |
| Lead | 100.6 | 1.135 | 100.0 | ug/L | 100% | | 70-130 | 4 | 20 | 1 |
| Manganese | 187.2 | 89.41 | 100.0 | ug/L | 98% | | 70-130 | 1 | 20 | 1 |
| Nickel | 103.4 | 1.828 | 100.0 | ug/L | 102% | | 70-130 | 2 | 20 | 1 |
| Selenium | 101.3 | 3.216 | 100.0 | ug/L | 98% | | 70-130 | 0 | 20 | 1 |
| Silver | 47.14 | ND | 50.00 | ug/L | 94% | | 70-130 | 3 | 20 | 1 |
| Thallium | 99.94 | ND | 100.0 | ug/L | 100% | | 70-130 | 5 | 20 | 1 |
| Vanadium | 108.5 | 7.036 | 100.0 | ug/L | 101% | | 70-130 | 1 | 20 | 1 |
| Zinc | 129.4 | 30.68 | 100.0 | ug/L | 99% | | 70-130 | 2 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1234810 | Batch: 364710 |
|---|---|---|
| Matrix: Water | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1234810 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.17 | 03/03/25 | 03/03/25 |

| Type: Lab Control Sample | Lab ID: QC1234811 | Batch: 364710 |
|---|---|---|
| Matrix: Water | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1234811 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 5.098 | 5.000 | ug/L | 102% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1234812 | Batch: 364710 |
|---|---|---|
| Matrix (Source ID): Water (527754-002) | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1234812 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 1,011 | ND | 1000 | ug/L | 101% | | 75-125 | 200 |

| Type: Matrix Spike Duplicate | Lab ID: QC1234813 | Batch: 364710 |
|---|---|---|
| Matrix (Source ID): Water (527754-002) | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1234813 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 1,050 | ND | 1000 | ug/L | 105% | | 75-125 | 4 | 20 | 200 |

| Type: Blank | Lab ID: QC1234282 | Batch: 364575 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1234282 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 02/28/25 15:12 | 02/28/25 16:32 |
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 02/28/25 15:12 | 02/28/25 16:32 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 02/28/25 15:12 | 02/28/25 16:32 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 02/28/25 15:12 | 02/28/25 16:32 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 02/28/25 15:12 | 02/28/25 16:32 |

| Type: Lab Control Sample | Lab ID: QC1234283 | Batch: 364575 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1234283 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.249 | 10.00 | mg/L | 92% | | 90-110 |
| Nitrogen, Nitrite | 4.542 | 4.567 | mg/L | 99% | | 90-110 |
| Bromide | 14.71 | 15.00 | mg/L | 98% | | 90-110 |
| Nitrogen, Nitrate | 4.397 | 4.518 | mg/L | 97% | | 90-110 |
| Sulfate | 24.19 | 25.00 | mg/L | 97% | | 90-110 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1234284 | Batch: | 364575 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527622-002) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1234284 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.17 | 0.1119 | 20.00 | mg/L | 95% | | 80-120 | 1 |
| Nitrogen, Nitrite | 9.030 | ND | 9.134 | mg/L | 99% | | 80-120 | 1 |
| Bromide | 14.41 | ND | 15.00 | mg/L | 96% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.093 | 0.3313 | 9.036 | mg/L | 97% | | 80-120 | 1 |
| Sulfate | 50.32 | 1.508 | 50.00 | mg/L | 98% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1234285 | Batch: | 364575 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527622-002) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1234285 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.36 | 0.1119 | 20.00 | mg/L | 96% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrite | 9.137 | ND | 9.134 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |
| Bromide | 14.53 | ND | 15.00 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.164 | 0.3313 | 9.036 | mg/L | 98% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 50.74 | 1.508 | 50.00 | mg/L | 98% | | 80-120 | 1 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1234287 | Batch: | 364575 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527553-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1234287 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 13.46 | 0.09854 | 20.00 | mg/L | 67% | * | 80-120 | 1 |
| Nitrogen, Nitrite | 8.905 | ND | 9.134 | mg/L | 97% | | 80-120 | 1 |
| Bromide | 14.31 | 0.2078 | 15.00 | mg/L | 94% | | 80-120 | 1 |
| Nitrogen, Nitrate | 8.356 | ND | 9.036 | mg/L | 92% | | 80-120 | 1 |
| Sulfate | 64.69 | 15.87 | 50.00 | mg/L | 98% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1234288 | Batch: | 364575 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527553-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1234288 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 13.43 | 0.09854 | 20.00 | mg/L | 67% | * | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrite | 8.882 | ND | 9.134 | mg/L | 97% | | 80-120 | 0 | 20 | 1 |
| Bromide | 14.23 | 0.2078 | 15.00 | mg/L | 94% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 8.317 | ND | 9.036 | mg/L | 92% | | 80-120 | 0 | 20 | 1 |
| Sulfate | 64.40 | 15.87 | 50.00 | mg/L | 97% | | 80-120 | 0 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Lab Control Sample | Lab ID: QC1237710 | Batch: 365538 |
|---|---|---|
| Matrix: Water | Method: EPA 350.1 | Prep Method: METHOD |

| QC1237710 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9870 | 1.000 | mg/L | 99% | | 90-110 |

| Type: Blank | Lab ID: QC1237711 | Batch: 365538 |
|---|---|---|
| Matrix: Water | Method: EPA 350.1 | Prep Method: METHOD |

| QC1237711 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 03/11/25 | 03/12/25 |

| Type: Matrix Spike | Lab ID: QC1237813 | Batch: 365538 |
|---|---|---|
| Matrix (Source ID): Water (527400-001) | Method: EPA 350.1 | Prep Method: SM 4500-NH3-G SD |

| QC1237813 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.110 | 0.2064 | 1.000 | mg/L | 90% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1237814 | Batch: 365538 |
|---|---|---|
| Matrix (Source ID): Water (527400-001) | Method: EPA 350.1 | Prep Method: SM 4500-NH3-G SD |

| QC1237814 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.153 | 0.2064 | 1.000 | mg/L | 95% | | 90-110 | 4 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1237815 | Batch: 365538 |
|---|---|---|
| Matrix (Source ID): Water (527400-003) | Method: EPA 350.1 | Prep Method: SM 4500-NH3-G SD |

| QC1237815 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.218 | 0.2397 | 1.000 | mg/L | 98% | | 90-110 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1237816 | Batch: 365538 |
|---|---|---|
| Matrix (Source ID): Water (527400-003) | Method: EPA 350.1 | Prep Method: SM 4500-NH3-G SD |

| QC1237816 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.248 | 0.2397 | 1.000 | mg/L | 101% | | 90-110 | 2 | 20 | 1 |

| Type: Blank | Lab ID: QC1238843 | Batch: 365816 |
|---|---|---|
| Matrix: Water | Method: EPA 420.1 | Prep Method: METHOD |

| QC1238843 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 03/13/25 | 03/13/25 |

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# Batch QC

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1238844 | **Batch:** 365816 |
| **Matrix:** Water | **Method:** EPA 420.1 | **Prep Method:** METHOD |

| QC1238844 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Phenolics | 0.06800 | 0.08000 | mg/L | 85% | | 80-120 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample Duplicate | **Lab ID:** QC1238845 | **Batch:** 365816 |
| **Matrix:** Water | **Method:** EPA 420.1 | **Prep Method:** METHOD |

| QC1238845 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Phenolics | 0.07100 | 0.08000 | mg/L | 89% | | 80-120 | 4 | 20 |

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# Batch QC

| Type: Blank | Lab ID: QC1234589 | Batch: 364652 |
|---|---|---|
| Matrix: Water | | |

| QC1234589 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | |
| Benzoic acid | ND | | ug/L | 50 | 19 | 03/02/25 | 03/02/25 |
| Pyridine | ND | | ug/L | 10 | 3.9 | 03/02/25 | 03/02/25 |
| Phenol | ND | | ug/L | 10 | 3.5 | 03/02/25 | 03/02/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 3.2 | 03/02/25 | 03/02/25 |
| Naphthalene | ND | | ug/L | 10 | 2.7 | 03/02/25 | 03/02/25 |
| Cresol | ND | | ug/L | 10 | | 03/02/25 | 03/02/25 |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | |
| Carbazole | ND | | ug/L | 10 | 2.3 | 03/02/25 | 03/02/25 |
| N-Nitrosodimethylamine | ND | | ug/L | 10 | 2.8 | 03/02/25 | 03/02/25 |
| Aniline | ND | | ug/L | 10 | 4.5 | 03/02/25 | 03/02/25 |
| bis(2-Chloroethyl)ether | ND | | ug/L | 25 | 3.1 | 03/02/25 | 03/02/25 |
| 2-Chlorophenol | ND | | ug/L | 10 | 2.8 | 03/02/25 | 03/02/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 10 | 3.3 | 03/02/25 | 03/02/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 10 | 3.3 | 03/02/25 | 03/02/25 |
| Benzyl alcohol | ND | | ug/L | 10 | 5.8 | 03/02/25 | 03/02/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 10 | 3.3 | 03/02/25 | 03/02/25 |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 10 | 2.8 | 03/02/25 | 03/02/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 2.6 | 03/02/25 | 03/02/25 |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 10 | 3.9 | 03/02/25 | 03/02/25 |
| Hexachloroethane | ND | | ug/L | 10 | 3.8 | 03/02/25 | 03/02/25 |
| Nitrobenzene | ND | | ug/L | 25 | 6.4 | 03/02/25 | 03/02/25 |
| Isophorone | ND | | ug/L | 10 | 1.9 | 03/02/25 | 03/02/25 |
| 2-Nitrophenol | ND | | ug/L | 10 | 5.6 | 03/02/25 | 03/02/25 |
| 2,4-Dimethylphenol | ND | | ug/L | 10 | 4.4 | 03/02/25 | 03/02/25 |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 10 | 2.3 | 03/02/25 | 03/02/25 |
| 2,4-Dichlorophenol | ND | | ug/L | 10 | 2.7 | 03/02/25 | 03/02/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 10 | 2.6 | 03/02/25 | 03/02/25 |
| 4-Chloroaniline | ND | | ug/L | 10 | 2.3 | 03/02/25 | 03/02/25 |
| Hexachlorobutadiene | ND | | ug/L | 10 | 4.0 | 03/02/25 | 03/02/25 |
| 4-Chloro-3-methylphenol | ND | | ug/L | 10 | 2.7 | 03/02/25 | 03/02/25 |
| 2-Methylnaphthalene | ND | | ug/L | 10 | 2.4 | 03/02/25 | 03/02/25 |
| Hexachlorocyclopentadiene | ND | | ug/L | 25 | 4.9 | 03/02/25 | 03/02/25 |
| 2,4,6-Trichlorophenol | ND | | ug/L | 10 | 2.2 | 03/02/25 | 03/02/25 |
| 2,4,5-Trichlorophenol | ND | | ug/L | 10 | 2.7 | 03/02/25 | 03/02/25 |
| 2-Chloronaphthalene | ND | | ug/L | 10 | 2.4 | 03/02/25 | 03/02/25 |
| 2-Nitroaniline | ND | | ug/L | 50 | 3.7 | 03/02/25 | 03/02/25 |
| Dimethylphthalate | ND | | ug/L | 10 | 3.1 | 03/02/25 | 03/02/25 |
| Acenaphthylene | ND | | ug/L | 10 | 2.2 | 03/02/25 | 03/02/25 |
| 2,6-Dinitrotoluene | ND | | ug/L | 10 | 3.7 | 03/02/25 | 03/02/25 |
| 3-Nitroaniline | ND | | ug/L | 10 | 1.8 | 03/02/25 | 03/02/25 |
| Acenaphthene | ND | | ug/L | 10 | 2.6 | 03/02/25 | 03/02/25 |
| 2,4-Dinitrophenol | ND | | ug/L | 50 | 3.5 | 03/02/25 | 03/02/25 |
| 4-Nitrophenol | ND | | ug/L | 10 | 1.5 | 03/02/25 | 03/02/25 |
| Dibenzofuran | ND | | ug/L | 10 | 2.2 | 03/02/25 | 03/02/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1234589 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 2,4-Dinitrotoluene | ND | | ug/L | 10 | 3.1 | 03/02/25 | 03/02/25 |
| Diethylphthalate | ND | | ug/L | 10 | 2.8 | 03/02/25 | 03/02/25 |
| Fluorene | ND | | ug/L | 10 | 2.1 | 03/02/25 | 03/02/25 |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 10 | 2.4 | 03/02/25 | 03/02/25 |
| 4-Nitroaniline | ND | | ug/L | 10 | 2.8 | 03/02/25 | 03/02/25 |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 50 | 3.2 | 03/02/25 | 03/02/25 |
| N-Nitrosodiphenylamine | ND | | ug/L | 10 | 3.9 | 03/02/25 | 03/02/25 |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 10 | 2.3 | 03/02/25 | 03/02/25 |
| 4-Bromophenyl-phenylether | ND | | ug/L | 10 | 2.3 | 03/02/25 | 03/02/25 |
| Hexachlorobenzene | ND | | ug/L | 10 | 2.4 | 03/02/25 | 03/02/25 |
| Pentachlorophenol | ND | | ug/L | 25 | 2.6 | 03/02/25 | 03/02/25 |
| Phenanthrene | ND | | ug/L | 10 | 2.6 | 03/02/25 | 03/02/25 |
| Anthracene | ND | | ug/L | 10 | 2.1 | 03/02/25 | 03/02/25 |
| Di-n-butylphthalate | ND | | ug/L | 10 | 2.4 | 03/02/25 | 03/02/25 |
| Fluoranthene | ND | | ug/L | 10 | 2.6 | 03/02/25 | 03/02/25 |
| Benzidine | ND | | ug/L | 50 | 16 | 03/02/25 | 03/02/25 |
| Pyrene | ND | | ug/L | 10 | 2.4 | 03/02/25 | 03/02/25 |
| Butylbenzylphthalate | ND | | ug/L | 10 | 2.6 | 03/02/25 | 03/02/25 |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 25 | 2.9 | 03/02/25 | 03/02/25 |
| Benzo(a)anthracene | ND | | ug/L | 10 | 2.1 | 03/02/25 | 03/02/25 |
| Chrysene | ND | | ug/L | 10 | 2.5 | 03/02/25 | 03/02/25 |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 10 | 2.8 | 03/02/25 | 03/02/25 |
| Di-n-octylphthalate | ND | | ug/L | 10 | 4.8 | 03/02/25 | 03/02/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 10 | 2.3 | 03/02/25 | 03/02/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 10 | 2.4 | 03/02/25 | 03/02/25 |
| Benzo(a)pyrene | ND | | ug/L | 10 | 2.2 | 03/02/25 | 03/02/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 10 | 5.4 | 03/02/25 | 03/02/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 10 | 7.5 | 03/02/25 | 03/02/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 10 | 3.5 | 03/02/25 | 03/02/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 44% | | %REC | 20-140 | | 03/02/25 | 03/02/25 |
| Phenol-d6 | 28% | | %REC | 20-140 | | 03/02/25 | 03/02/25 |
| 2,4,6-Tribromophenol | 53% | | %REC | 20-140 | | 03/02/25 | 03/02/25 |
| Nitrobenzene-d5 | 66% | | %REC | 20-140 | | 03/02/25 | 03/02/25 |
| 2-Fluorobiphenyl | 66% | | %REC | 20-140 | | 03/02/25 | 03/02/25 |
| Terphenyl-d14 | 72% | | %REC | 20-140 | | 03/02/25 | 03/02/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Lab Control Sample | Lab ID: QC1234590 | Batch: 364652 |
|---|---|---|
| Matrix: Water | | |

| QC1234590 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | |
| Phenol | 25.41 | 75.00 | ug/L | 34% | | 13-120 |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | |
| 2-Chlorophenol | 49.39 | 75.00 | ug/L | 66% | | 31-120 |
| 1,4-Dichlorobenzene | 43.74 | 75.00 | ug/L | 58% | | 24-120 |
| 3-,4-Methylphenol | 46.87 | 75.00 | ug/L | 62% | | 29-120 |
| N-Nitroso-di-n-propylamine | 58.53 | 75.00 | ug/L | 78% | | 32-120 |
| 2,4-Dimethylphenol | 50.39 | 75.00 | ug/L | 67% | | 25-120 |
| 1,2,4-Trichlorobenzene | 46.80 | 75.00 | ug/L | 62% | | 26-120 |
| 4-Chloro-3-methylphenol | 58.61 | 75.00 | ug/L | 78% | | 39-120 |
| 2,4,5-Trichlorophenol | 54.64 | 75.00 | ug/L | 73% | | 38-120 |
| Acenaphthene | 54.66 | 75.00 | ug/L | 73% | | 33-120 |
| 4-Nitrophenol | 26.98 | 75.00 | ug/L | 36% | | 12-120 |
| 2,4-Dinitrotoluene | 61.63 | 75.00 | ug/L | 82% | | 46-120 |
| Pentachlorophenol | 46.45 | 75.00 | ug/L | 62% | | 37-120 |
| Pyrene | 58.08 | 75.00 | ug/L | 77% | | 47-120 |
| Chrysene | 59.64 | 75.00 | ug/L | 80% | | 48-120 |
| Benzo(b)fluoranthene | 55.98 | 75.00 | ug/L | 75% | | 46-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 18.71 | 40.00 | ug/L | 47% | | 20-140 |
| Phenol-d6 | 13.02 | 40.00 | ug/L | 33% | | 20-140 |
| 2,4,6-Tribromophenol | 35.56 | 40.00 | ug/L | 89% | | 20-140 |
| Nitrobenzene-d5 | 29.15 | 40.00 | ug/L | 73% | | 20-140 |
| 2-Fluorobiphenyl | 28.15 | 40.00 | ug/L | 70% | | 20-140 |
| Terphenyl-d14 | 32.46 | 40.00 | ug/L | 81% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Lab Control Sample Duplicate **Lab ID:** QC1234591 **Batch:** 364652
**Matrix:** Water

| QC1234591 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | |
| Phenol | 21.98 | 75.00 | ug/L | 29% | | 13-120 | 14 | 62 |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | |
| 2-Chlorophenol | 45.45 | 75.00 | ug/L | 61% | | 31-120 | 8 | 62 |
| 1,4-Dichlorobenzene | 41.60 | 75.00 | ug/L | 55% | | 24-120 | 5 | 64 |
| 3-,4-Methylphenol | 42.73 | 75.00 | ug/L | 57% | | 29-120 | 9 | 62 |
| N-Nitroso-di-n-propylamine | 52.98 | 75.00 | ug/L | 71% | | 32-120 | 10 | 65 |
| 2,4-Dimethylphenol | 46.90 | 75.00 | ug/L | 63% | | 25-120 | 7 | 64 |
| 1,2,4-Trichlorobenzene | 43.83 | 75.00 | ug/L | 58% | | 26-120 | 7 | 63 |
| 4-Chloro-3-methylphenol | 58.79 | 75.00 | ug/L | 78% | | 39-120 | 0 | 58 |
| 2,4,5-Trichlorophenol | 60.63 | 75.00 | ug/L | 81% | | 38-120 | 10 | 59 |
| Acenaphthene | 52.78 | 75.00 | ug/L | 70% | | 33-120 | 4 | 52 |
| 4-Nitrophenol | 23.73 | 75.00 | ug/L | 32% | | 12-120 | 13 | 63 |
| 2,4-Dinitrotoluene | 60.45 | 75.00 | ug/L | 81% | | 46-120 | 2 | 41 |
| Pentachlorophenol | 44.96 | 75.00 | ug/L | 60% | | 37-120 | 3 | 42 |
| Pyrene | 53.78 | 75.00 | ug/L | 72% | | 47-120 | 8 | 43 |
| Chrysene | 58.06 | 75.00 | ug/L | 77% | | 48-120 | 3 | 46 |
| Benzo(b)fluoranthene | 59.16 | 75.00 | ug/L | 79% | | 46-120 | 6 | 47 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 16.40 | 40.00 | ug/L | 41% | | 20-140 | | |
| Phenol-d6 | 11.19 | 40.00 | ug/L | 28% | | 20-140 | | |
| 2,4,6-Tribromophenol | 31.80 | 40.00 | ug/L | 79% | | 20-140 | | |
| Nitrobenzene-d5 | 26.10 | 40.00 | ug/L | 65% | | 20-140 | | |
| 2-Fluorobiphenyl | 30.42 | 40.00 | ug/L | 76% | | 20-140 | | |
| Terphenyl-d14 | 27.95 | 40.00 | ug/L | 70% | | 20-140 | | |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1235091 | Batch: 364804 |
|---|---|---|
| Matrix: Water | | |

| QC1235091 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 03/04/25 | 03/05/25 |
| beta-BHC | ND | | ug/L | 0.05 | 0.03 | 03/04/25 | 03/05/25 |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 03/04/25 | 03/05/25 |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 03/04/25 | 03/05/25 |
| Heptachlor | ND | | ug/L | 0.05 | 0.02 | 03/04/25 | 03/05/25 |
| Aldrin | ND | | ug/L | 0.05 | 0.03 | 03/04/25 | 03/05/25 |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.03 | 03/04/25 | 03/05/25 |
| Endosulfan I | ND | | ug/L | 0.05 | 0.03 | 03/04/25 | 03/05/25 |
| Dieldrin | ND | | ug/L | 0.1 | 0.03 | 03/04/25 | 03/05/25 |
| 4,4'-DDE | ND | | ug/L | 0.1 | 0.03 | 03/04/25 | 03/05/25 |
| Endrin | ND | | ug/L | 0.1 | 0.03 | 03/04/25 | 03/05/25 |
| Endosulfan II | ND | | ug/L | 0.1 | 0.03 | 03/04/25 | 03/05/25 |
| Endosulfan sulfate | ND | | ug/L | 0.1 | 0.03 | 03/04/25 | 03/05/25 |
| 4,4'-DDD | ND | | ug/L | 0.1 | 0.02 | 03/04/25 | 03/05/25 |
| Endrin aldehyde | ND | | ug/L | 0.1 | 0.04 | 03/04/25 | 03/05/25 |
| Endrin ketone | ND | | ug/L | 0.1 | 0.04 | 03/04/25 | 03/05/25 |
| 4,4'-DDT | ND | | ug/L | 0.1 | 0.04 | 03/04/25 | 03/05/25 |
| Methoxychlor | ND | | ug/L | 0.1 | 0.05 | 03/04/25 | 03/05/25 |
| Toxaphene | ND | | ug/L | 2.0 | 0.3 | 03/04/25 | 03/05/25 |
| Chlordane (Technical) | ND | | ug/L | 1.0 | 0.1 | 03/04/25 | 03/05/25 |
| **Surrogates** | | | | **Limits** | | | |
| TCMX | 71% | | %REC | 14-120 | | 03/04/25 | 03/05/25 |
| Decachlorobiphenyl | 102% | | %REC | 20-120 | | 03/04/25 | 03/05/25 |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.50 | 0.37 | 03/04/25 | 03/05/25 |
| Aroclor-1221 | ND | | ug/L | 0.50 | 0.41 | 03/04/25 | 03/05/25 |
| Aroclor-1232 | ND | | ug/L | 0.50 | 0.36 | 03/04/25 | 03/05/25 |
| Aroclor-1242 | ND | | ug/L | 0.50 | 0.35 | 03/04/25 | 03/05/25 |
| Aroclor-1248 | ND | | ug/L | 0.50 | 0.34 | 03/04/25 | 03/05/25 |
| Aroclor-1254 | ND | | ug/L | 0.50 | 0.18 | 03/04/25 | 03/05/25 |
| Aroclor-1260 | ND | | ug/L | 0.50 | 0.45 | 03/04/25 | 03/05/25 |
| Aroclor-1262 | ND | | ug/L | 0.50 | 0.39 | 03/04/25 | 03/05/25 |
| Aroclor-1268 | ND | | ug/L | 0.50 | 0.25 | 03/04/25 | 03/05/25 |
| **Surrogates** | | | | **Limits** | | | |
| Decachlorobiphenyl (PCB) | 93% | | %REC | 18-126 | | 03/04/25 | 03/05/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1235092** | **Batch: 364804** |
| **Matrix: Water** | **Method: EPA 8081A** | **Prep Method: EPA 3510C** |

| QC1235092 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| alpha-BHC | 0.5364 | 0.5000 | ug/L | 107% | | 53-120 |
| beta-BHC | 0.5452 | 0.5000 | ug/L | 109% | # | 59-120 |
| gamma-BHC | 0.5075 | 0.5000 | ug/L | 101% | | 54-120 |
| delta-BHC | 0.4956 | 0.5000 | ug/L | 99% | | 58-120 |
| Heptachlor | 0.4957 | 0.5000 | ug/L | 99% | # | 49-120 |
| Aldrin | 0.4064 | 0.5000 | ug/L | 81% | | 47-120 |
| Heptachlor epoxide | 0.4873 | 0.5000 | ug/L | 97% | | 53-120 |
| Endosulfan I | 0.5089 | 0.5000 | ug/L | 102% | | 56-120 |
| Dieldrin | 0.4608 | 0.5000 | ug/L | 92% | | 55-120 |
| 4,4'-DDE | 0.5124 | 0.5000 | ug/L | 102% | | 55-120 |
| Endrin | 0.5147 | 0.5000 | ug/L | 103% | # | 57-120 |
| Endosulfan II | 0.5186 | 0.5000 | ug/L | 104% | | 58-120 |
| Endosulfan sulfate | 0.4929 | 0.5000 | ug/L | 99% | | 56-120 |
| 4,4'-DDD | 0.4696 | 0.5000 | ug/L | 94% | | 53-120 |
| Endrin aldehyde | 0.5012 | 0.5000 | ug/L | 100% | | 45-120 |
| Endrin ketone | 0.5204 | 0.5000 | ug/L | 104% | | 61-120 |
| 4,4'-DDT | 0.5341 | 0.5000 | ug/L | 107% | # | 58-120 |
| Methoxychlor | 0.4991 | 0.5000 | ug/L | 100% | | 54-120 |
| **Surrogates** | | | | | | |
| TCMX | 0.3699 | 0.5000 | ug/L | 74% | | 14-120 |
| Decachlorobiphenyl | 0.4764 | 0.5000 | ug/L | 95% | | 20-120 |

# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1235093 | Batch: | 364804 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8081A | Prep Method: | EPA 3510C |

| QC1235093 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | 0.5864 | 0.5000 | ug/L | 117% | | 53-120 | 9 | 20 |
| beta-BHC | 0.5732 | 0.5000 | ug/L | 115% | # | 59-120 | 5 | 20 |
| gamma-BHC | 0.5389 | 0.5000 | ug/L | 108% | | 54-120 | 6 | 20 |
| delta-BHC | 0.5303 | 0.5000 | ug/L | 106% | | 58-120 | 7 | 20 |
| Heptachlor | 0.5428 | 0.5000 | ug/L | 109% | # | 49-120 | 9 | 20 |
| Aldrin | 0.4499 | 0.5000 | ug/L | 90% | | 47-120 | 10 | 20 |
| Heptachlor epoxide | 0.5323 | 0.5000 | ug/L | 106% | | 53-120 | 9 | 20 |
| Endosulfan I | 0.5539 | 0.5000 | ug/L | 111% | | 56-120 | 8 | 20 |
| Dieldrin | 0.5121 | 0.5000 | ug/L | 102% | | 55-120 | 11 | 20 |
| 4,4'-DDE | 0.5706 | 0.5000 | ug/L | 114% | | 55-120 | 11 | 20 |
| Endrin | 0.5608 | 0.5000 | ug/L | 112% | # | 57-120 | 9 | 20 |
| Endosulfan II | 0.5588 | 0.5000 | ug/L | 112% | | 58-120 | 7 | 20 |
| Endosulfan sulfate | 0.5245 | 0.5000 | ug/L | 105% | | 56-120 | 6 | 20 |
| 4,4'-DDD | 0.5030 | 0.5000 | ug/L | 101% | | 53-120 | 7 | 20 |
| Endrin aldehyde | 0.5293 | 0.5000 | ug/L | 106% | | 45-120 | 5 | 20 |
| Endrin ketone | 0.5530 | 0.5000 | ug/L | 111% | | 61-120 | 6 | 20 |
| 4,4'-DDT | 0.5865 | 0.5000 | ug/L | 117% | # | 58-120 | 9 | 20 |
| Methoxychlor | 0.5309 | 0.5000 | ug/L | 106% | | 54-120 | 6 | 20 |
| **Surrogates** | | | | | | | | |
| TCMX | 0.3841 | 0.5000 | ug/L | 77% | | 14-120 | | |
| Decachlorobiphenyl | 0.4936 | 0.5000 | ug/L | 99% | | 20-120 | | |

| Type: | Lab Control Sample | Lab ID: | QC1235094 | Batch: | 364804 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1235094 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 4.616 | 5.000 | ug/L | 92% | | 36-143 |
| Aroclor-1260 | 4.899 | 5.000 | ug/L | 98% | | 31-153 |
| **Surrogates** | | | | | | |
| Decachlorobiphenyl (PCB) | 0.4789 | 0.5000 | ug/L | 96% | | 18-126 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1235095 | Batch: | 364804 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1235095 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 4.426 | 5.000 | ug/L | 89% | | 36-143 | 4 | 39 |
| Aroclor-1260 | 4.696 | 5.000 | ug/L | 94% | | 31-153 | 4 | 20 |
| **Surrogates** | | | | | | | | |
| Decachlorobiphenyl (PCB) | 0.4687 | 0.5000 | ug/L | 94% | | 18-126 | | |

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# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1234742 | **Batch:** 364694 | |
| **Matrix:** Water | **Method:** EPA 8260B | **Prep Method:** EPA 5030B | |

| QC1234742 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.7 | 03/03/25 | 03/03/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 03/03/25 | 03/03/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.3 | 03/03/25 | 03/03/25 |
| Ethanol | ND | | ug/L | 500 | 250 | 03/03/25 | 03/03/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.8 | 03/03/25 | 03/03/25 |
| Isopropanol (IPA) | ND | | ug/L | 200 | 64 | 03/03/25 | 03/03/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.2 | 03/03/25 | 03/03/25 |
| Vinyl Acetate | ND | | ug/L | 50 | 2.5 | 03/03/25 | 03/03/25 |
| Acrolein | ND | | ug/L | 200 | 2.2 | 03/03/25 | 03/03/25 |
| Acrylonitrile | ND | | ug/L | 10 | 0.7 | 03/03/25 | 03/03/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 03/03/25 | 03/03/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/03/25 | 03/03/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 03/03/25 | 03/03/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Iodomethane | ND | | ug/L | 5.8 | | 03/03/25 | 03/03/25 |
| Acetone | ND | | ug/L | 100 | 44 | 03/03/25 | 03/03/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 03/03/25 | 03/03/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 03/03/25 | 03/03/25 |
| 2-Butanone | ND | | ug/L | 10 | 2.3 | 03/03/25 | 03/03/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 03/03/25 | 03/03/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 0.9 | 03/03/25 | 03/03/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 03/03/25 | 03/03/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |

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## Batch QC

| QC1234742 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 03/03/25 | 03/03/25 |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 03/03/25 | 03/03/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/03/25 | 03/03/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/03/25 | 03/03/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/03/25 | 03/03/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 03/03/25 | 03/03/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/03/25 | 03/03/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/03/25 | 03/03/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/03/25 | 03/03/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 03/03/25 | 03/03/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/03/25 | 03/03/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 03/03/25 | 03/03/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 03/03/25 | 03/03/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 03/03/25 | 03/03/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 03/03/25 | 03/03/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 03/03/25 | 03/03/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/03/25 | 03/03/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 03/03/25 | 03/03/25 |
| 1,2-Dichloroethane-d4 | 100% | | %REC | 70-130 | | 03/03/25 | 03/03/25 |
| Toluene-d8 | 98% | | %REC | 70-130 | | 03/03/25 | 03/03/25 |
| Bromofluorobenzene | 104% | | %REC | 70-130 | | 03/03/25 | 03/03/25 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1234743 | Batch: 364694 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1234743 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 60.03 | 50.00 | ug/L | 120% | | 70-135 |
| MTBE | 49.22 | 50.00 | ug/L | 98% | | 70-130 |
| Benzene | 48.13 | 50.00 | ug/L | 96% | | 70-130 |
| Trichloroethene | 52.80 | 50.00 | ug/L | 106% | | 70-130 |
| Toluene | 48.85 | 50.00 | ug/L | 98% | | 70-130 |
| Chlorobenzene | 50.00 | 50.00 | ug/L | 100% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 53.20 | 50.00 | ug/L | 106% | | 70-130 |
| 1,2-Dichloroethane-d4 | 49.95 | 50.00 | ug/L | 100% | | 70-130 |
| Toluene-d8 | 48.11 | 50.00 | ug/L | 96% | | 70-130 |
| Bromofluorobenzene | 48.67 | 50.00 | ug/L | 97% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1234744 | Batch: 364694 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1234744 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 57.85 | 50.00 | ug/L | 116% | | 70-135 | 4 | 30 |
| MTBE | 48.08 | 50.00 | ug/L | 96% | | 70-130 | 2 | 30 |
| Benzene | 47.11 | 50.00 | ug/L | 94% | | 70-130 | 2 | 30 |
| Trichloroethene | 48.45 | 50.00 | ug/L | 97% | | 70-130 | 9 | 30 |
| Toluene | 46.30 | 50.00 | ug/L | 93% | | 70-130 | 5 | 30 |
| Chlorobenzene | 47.35 | 50.00 | ug/L | 95% | | 70-130 | 5 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 54.97 | 50.00 | ug/L | 110% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 51.08 | 50.00 | ug/L | 102% | | 70-130 | | |
| Toluene-d8 | 48.59 | 50.00 | ug/L | 97% | | 70-130 | | |
| Bromofluorobenzene | 48.27 | 50.00 | ug/L | 97% | | 70-130 | | |

| Type: Matrix Spike | Lab ID: QC1234851 | Batch: 364694 |
|---|---|---|
| Matrix (Source ID): Water (527262-001) | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1234851 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 20.83 | ND | 20.00 | ug/L | 104% | | 70-130 | 1 |
| MTBE | 19.21 | ND | 20.00 | ug/L | 96% | | 75-130 | 1 |
| Benzene | 17.31 | ND | 20.00 | ug/L | 87% | | 70-130 | 1 |
| Trichloroethene | 17.91 | ND | 20.00 | ug/L | 90% | | 63-130 | 1 |
| Toluene | 17.82 | ND | 20.00 | ug/L | 89% | | 70-130 | 1 |
| Chlorobenzene | 18.72 | ND | 20.00 | ug/L | 94% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.58 | | 50.00 | ug/L | 107% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 51.84 | | 50.00 | ug/L | 104% | | 70-130 | 1 |
| Toluene-d8 | 49.25 | | 50.00 | ug/L | 99% | | 70-130 | 1 |
| Bromofluorobenzene | 50.76 | | 50.00 | ug/L | 102% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1234852 | Batch: | 364694 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527262-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1234852 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 18.56 | ND | 20.00 | ug/L | 93% | | 70-130 | 12 | 30 | 1 |
| MTBE | 16.39 | ND | 20.00 | ug/L | 82% | | 75-130 | 16 | 30 | 1 |
| Benzene | 15.08 | ND | 20.00 | ug/L | 75% | | 70-130 | 14 | 30 | 1 |
| Trichloroethene | 15.93 | ND | 20.00 | ug/L | 80% | | 63-130 | 12 | 30 | 1 |
| Toluene | 15.01 | ND | 20.00 | ug/L | 75% | | 70-130 | 17 | 30 | 1 |
| Chlorobenzene | 15.65 | ND | 20.00 | ug/L | 78% | | 70-130 | 18 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 53.75 | | 50.00 | ug/L | 108% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 51.85 | | 50.00 | ug/L | 104% | | 70-130 | | | 1 |
| Toluene-d8 | 48.45 | | 50.00 | ug/L | 97% | | 70-130 | | | 1 |
| Bromofluorobenzene | 49.03 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1235883 | Batch: | 365033 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1235883 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 52.72 | 50.00 | ug/L | 105% | | 70-135 |
| MTBE | 46.36 | 50.00 | ug/L | 93% | | 70-130 |
| Benzene | 47.86 | 50.00 | ug/L | 96% | | 70-130 |
| Trichloroethene | 49.76 | 50.00 | ug/L | 100% | | 70-130 |
| Toluene | 47.48 | 50.00 | ug/L | 95% | | 70-130 |
| Chlorobenzene | 49.94 | 50.00 | ug/L | 100% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 52.48 | 50.00 | ug/L | 105% | | 70-130 |
| 1,2-Dichloroethane-d4 | 49.16 | 50.00 | ug/L | 98% | | 70-130 |
| Toluene-d8 | 48.97 | 50.00 | ug/L | 98% | | 70-130 |
| Bromofluorobenzene | 48.84 | 50.00 | ug/L | 98% | | 70-130 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1235884 | Batch: | 365033 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1235884 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 45.46 | 50.00 | ug/L | 91% | | 70-135 | 15 | 30 |
| MTBE | 41.67 | 50.00 | ug/L | 83% | | 70-130 | 11 | 30 |
| Benzene | 42.35 | 50.00 | ug/L | 85% | | 70-130 | 12 | 30 |
| Trichloroethene | 43.66 | 50.00 | ug/L | 87% | | 70-130 | 13 | 30 |
| Toluene | 42.34 | 50.00 | ug/L | 85% | | 70-130 | 11 | 30 |
| Chlorobenzene | 44.62 | 50.00 | ug/L | 89% | | 70-130 | 11 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.78 | 50.00 | ug/L | 104% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 49.32 | 50.00 | ug/L | 99% | | 70-130 | | |
| Toluene-d8 | 49.19 | 50.00 | ug/L | 98% | | 70-130 | | |
| Bromofluorobenzene | 49.41 | 50.00 | ug/L | 99% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1235886** | **Batch:** | **365033** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1235886 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.7 | 03/06/25 | 03/06/25 |
| Chloroprene | ND | | ug/L | 200 | 0.6 | 03/06/25 | 03/06/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 03/06/25 | 03/06/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.3 | 03/06/25 | 03/06/25 |
| Ethanol | ND | | ug/L | 500 | 250 | 03/06/25 | 03/06/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.8 | 03/06/25 | 03/06/25 |
| Isopropanol (IPA) | ND | | ug/L | 200 | 64 | 03/06/25 | 03/06/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.2 | 03/06/25 | 03/06/25 |
| Vinyl Acetate | ND | | ug/L | 50 | 2.5 | 03/06/25 | 03/06/25 |
| Acrolein | ND | | ug/L | 200 | 2.2 | 03/06/25 | 03/06/25 |
| Acrylonitrile | ND | | ug/L | 10 | 0.7 | 03/06/25 | 03/06/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 03/06/25 | 03/06/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/06/25 | 03/06/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 03/06/25 | 03/06/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Iodomethane | ND | | ug/L | 5.8 | | 03/06/25 | 03/06/25 |
| Acetone | ND | | ug/L | 100 | 44 | 03/06/25 | 03/06/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 03/06/25 | 03/06/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 03/06/25 | 03/06/25 |
| 2-Butanone | ND | | ug/L | 10 | 2.3 | 03/06/25 | 03/06/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 03/06/25 | 03/06/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 0.9 | 03/06/25 | 03/06/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 03/06/25 | 03/06/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1235886 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 03/06/25 | 03/06/25 |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 03/06/25 | 03/06/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/06/25 | 03/06/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/06/25 | 03/06/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/06/25 | 03/06/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 03/06/25 | 03/06/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/06/25 | 03/06/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/06/25 | 03/06/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/06/25 | 03/06/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 03/06/25 | 03/06/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/06/25 | 03/06/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 03/06/25 | 03/06/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 03/06/25 | 03/06/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 03/06/25 | 03/06/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 03/06/25 | 03/06/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 03/06/25 | 03/06/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/06/25 | 03/06/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 03/06/25 | 03/06/25 |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 03/06/25 | 03/06/25 |
| Toluene-d8 | 98% | | %REC | 70-130 | | 03/06/25 | 03/06/25 |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 03/06/25 | 03/06/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1236090 | Batch: | 365033 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527937-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1236090 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 17.47 | ND | 20.00 | ug/L | 87% | | 70-130 | 1 |
| MTBE | 14.29 | ND | 20.00 | ug/L | 71% | * | 75-130 | 1 |
| Benzene | 15.46 | ND | 20.00 | ug/L | 77% | | 70-130 | 1 |
| Trichloroethene | 16.33 | ND | 20.00 | ug/L | 82% | | 63-130 | 1 |
| Toluene | 15.70 | ND | 20.00 | ug/L | 79% | | 70-130 | 1 |
| Chlorobenzene | 16.18 | ND | 20.00 | ug/L | 81% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.79 | | 50.00 | ug/L | 104% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 50.36 | | 50.00 | ug/L | 101% | | 70-130 | 1 |
| Toluene-d8 | 48.71 | | 50.00 | ug/L | 97% | | 70-130 | 1 |
| Bromofluorobenzene | 48.93 | | 50.00 | ug/L | 98% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1236091 | Batch: | 365033 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527937-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1236091 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 15.91 | ND | 20.00 | ug/L | 80% | | 70-130 | 9 | 30 | 1 |
| MTBE | 13.70 | ND | 20.00 | ug/L | 69% | * | 75-130 | 4 | 30 | 1 |
| Benzene | 14.56 | ND | 20.00 | ug/L | 73% | | 70-130 | 6 | 30 | 1 |
| Trichloroethene | 14.69 | ND | 20.00 | ug/L | 73% | | 63-130 | 11 | 30 | 1 |
| Toluene | 14.01 | ND | 20.00 | ug/L | 70% | | 70-130 | 11 | 30 | 1 |
| Chlorobenzene | 14.78 | ND | 20.00 | ug/L | 74% | | 70-130 | 9 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 52.90 | | 50.00 | ug/L | 106% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 51.99 | | 50.00 | ug/L | 104% | | 70-130 | | | 1 |
| Toluene-d8 | 48.21 | | 50.00 | ug/L | 96% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.71 | | 50.00 | ug/L | 97% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1234642 | Batch: | 364667 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1234642 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 03/02/25 | 03/02/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 03/02/25 | 03/02/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Lab Control Sample | Lab ID: QC1234643 | Batch: 364667 |
|---|---|---|
| Matrix: Water | Method: EPA 8270C-SIM | Prep Method: EPA 3535 |

| QC1234643 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.228 | 10.00 | ug/L | 92% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.12 | 10.00 | ug/L | 101% | | 80-120 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1234644 | Batch: 364667 |
|---|---|---|
| Matrix: Water | Method: EPA 8270C-SIM | Prep Method: EPA 3535 |

| QC1234644 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.007 | 10.00 | ug/L | 90% | | 80-120 | 2 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.21 | 10.00 | ug/L | 102% | | 80-120 | | |

| Type: Blank | Lab ID: QC1234645 | Batch: 364668 |
|---|---|---|
| Matrix: Water | Method: EPA 8270C-SIM | Prep Method: EPA 3510C |

| QC1234645 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | | ug/L | 0.50 | 0.19 | 03/02/25 | 03/02/25 |
| 2-Methylnaphthalene | ND | | ug/L | 0.50 | 0.24 | 03/02/25 | 03/02/25 |
| Naphthalene | ND | | ug/L | 0.50 | 0.20 | 03/02/25 | 03/02/25 |
| Acenaphthylene | ND | | ug/L | 0.50 | 0.21 | 03/02/25 | 03/02/25 |
| Acenaphthene | ND | | ug/L | 0.50 | 0.17 | 03/02/25 | 03/02/25 |
| Fluorene | ND | | ug/L | 0.50 | 0.17 | 03/02/25 | 03/02/25 |
| Phenanthrene | ND | | ug/L | 0.50 | 0.19 | 03/02/25 | 03/02/25 |
| Anthracene | ND | | ug/L | 0.50 | 0.18 | 03/02/25 | 03/02/25 |
| Fluoranthene | ND | | ug/L | 0.50 | 0.17 | 03/02/25 | 03/02/25 |
| Pyrene | ND | | ug/L | 0.50 | 0.16 | 03/02/25 | 03/02/25 |
| Benzo(a)anthracene | ND | | ug/L | 0.50 | 0.15 | 03/02/25 | 03/02/25 |
| Chrysene | ND | | ug/L | 0.50 | 0.16 | 03/02/25 | 03/02/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 03/02/25 | 03/02/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 03/02/25 | 03/02/25 |
| Benzo(a)pyrene | ND | | ug/L | 0.50 | 0.13 | 03/02/25 | 03/02/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.50 | 0.14 | 03/02/25 | 03/02/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.50 | 0.19 | 03/02/25 | 03/02/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.50 | 0.20 | 03/02/25 | 03/02/25 |
| **Surrogates** | | | | **Limits** | | | |
| Nitrobenzene-d5 | 79% | | %REC | 16-125 | | 03/02/25 | 03/02/25 |
| 2-Fluorobiphenyl | 79% | | %REC | 17-120 | | 03/02/25 | 03/02/25 |
| Terphenyl-d14 | 94% | | %REC | 39-123 | | 03/02/25 | 03/02/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1234646** | **Batch:** | **364668** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1234646 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.430 | 4.000 | ug/L | 86% | | 23-120 |
| 2-Methylnaphthalene | 3.336 | 4.000 | ug/L | 83% | | 33-120 |
| Naphthalene | 3.294 | 4.000 | ug/L | 82% | | 38-120 |
| Acenaphthylene | 3.383 | 4.000 | ug/L | 85% | | 37-120 |
| Acenaphthene | 3.100 | 4.000 | ug/L | 77% | | 39-120 |
| Fluorene | 3.273 | 4.000 | ug/L | 82% | | 43-120 |
| Phenanthrene | 3.187 | 4.000 | ug/L | 80% | | 42-120 |
| Anthracene | 3.269 | 4.000 | ug/L | 82% | | 42-120 |
| Fluoranthene | 3.277 | 4.000 | ug/L | 82% | | 48-120 |
| Pyrene | 3.309 | 4.000 | ug/L | 83% | | 44-120 |
| Benzo(a)anthracene | 3.394 | 4.000 | ug/L | 85% | | 51-126 |
| Chrysene | 3.347 | 4.000 | ug/L | 84% | | 47-120 |
| Benzo(b)fluoranthene | 3.451 | 4.000 | ug/L | 86% | | 44-127 |
| Benzo(k)fluoranthene | 3.493 | 4.000 | ug/L | 87% | | 43-127 |
| Benzo(a)pyrene | 3.442 | 4.000 | ug/L | 86% | | 29-124 |
| Indeno(1,2,3-cd)pyrene | 3.740 | 4.000 | ug/L | 93% | | 44-127 |
| Dibenz(a,h)anthracene | 3.807 | 4.000 | ug/L | 95% | | 55-120 |
| Benzo(g,h,i)perylene | 3.597 | 4.000 | ug/L | 90% | | 46-120 |
| **Surrogates** | | | | | | |
| Nitrobenzene-d5 | 3.232 | 4.000 | ug/L | 81% | | 16-125 |
| 2-Fluorobiphenyl | 3.226 | 4.000 | ug/L | 81% | | 17-120 |
| Terphenyl-d14 | 3.527 | 4.000 | ug/L | 88% | | 39-123 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1234647 | Batch: | 364668 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3510C |

| QC1234647 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.491 | 4.000 | ug/L | 87% | | 23-120 | 2 | 20 |
| 2-Methylnaphthalene | 3.389 | 4.000 | ug/L | 85% | | 33-120 | 2 | 20 |
| Naphthalene | 3.335 | 4.000 | ug/L | 83% | | 38-120 | 1 | 20 |
| Acenaphthylene | 3.489 | 4.000 | ug/L | 87% | | 37-120 | 3 | 20 |
| Acenaphthene | 3.226 | 4.000 | ug/L | 81% | | 39-120 | 4 | 20 |
| Fluorene | 3.412 | 4.000 | ug/L | 85% | | 43-120 | 4 | 20 |
| Phenanthrene | 3.390 | 4.000 | ug/L | 85% | | 42-120 | 6 | 20 |
| Anthracene | 3.508 | 4.000 | ug/L | 88% | | 42-120 | 7 | 20 |
| Fluoranthene | 3.596 | 4.000 | ug/L | 90% | | 48-120 | 9 | 20 |
| Pyrene | 3.631 | 4.000 | ug/L | 91% | | 44-120 | 9 | 20 |
| Benzo(a)anthracene | 3.758 | 4.000 | ug/L | 94% | | 51-126 | 10 | 20 |
| Chrysene | 3.659 | 4.000 | ug/L | 91% | | 47-120 | 9 | 20 |
| Benzo(b)fluoranthene | 3.792 | 4.000 | ug/L | 95% | | 44-127 | 9 | 20 |
| Benzo(k)fluoranthene | 3.801 | 4.000 | ug/L | 95% | | 43-127 | 8 | 20 |
| Benzo(a)pyrene | 3.723 | 4.000 | ug/L | 93% | | 29-124 | 8 | 20 |
| Indeno(1,2,3-cd)pyrene | 4.095 | 4.000 | ug/L | 102% | | 44-127 | 9 | 20 |
| Dibenz(a,h)anthracene | 4.145 | 4.000 | ug/L | 104% | | 55-120 | 8 | 20 |
| Benzo(g,h,i)perylene | 3.967 | 4.000 | ug/L | 99% | | 46-120 | 10 | 20 |
| **Surrogates** | | | | | | | | |
| Nitrobenzene-d5 | 3.231 | 4.000 | ug/L | 81% | | 16-125 | | |
| 2-Fluorobiphenyl | 3.289 | 4.000 | ug/L | 82% | | 17-120 | | |
| Terphenyl-d14 | 3.940 | 4.000 | ug/L | 99% | | 39-123 | | |

| Type: | Lab Control Sample | Lab ID: | QC1235436 | Batch: | 364900 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1235436 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Cyanide | 0.1016 | 0.1000 | mg/L | 102% | | 76-120 |

| Type: | Matrix Spike | Lab ID: | QC1235437 | Batch: | 364900 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527967-001) | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1235437 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Cyanide | 1.111 | 1.090 | 0.1000 | mg/L | 21% | NM | 65-121 | 5 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1235438 | Batch: | 364900 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527967-001) | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1235438 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 1.156 | 1.090 | 0.1000 | mg/L | 66% | NM | 65-121 | 4 | 30 | 5 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Blank **Lab ID:** QC1235745 **Batch:** 364900
**Matrix:** Water **Method:** SM 4500-CN-E **Prep Method:** METHOD

| QC1235745 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 03/05/25 | 03/05/25 |

**Type:** Blank **Lab ID:** QC1234468 **Batch:** 364627
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1234468 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/01/25 | 03/01/25 |

**Type:** Lab Control Sample **Lab ID:** QC1234469 **Batch:** 364627
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1234469 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1234471 **Batch:** 364627
**Matrix (Source ID):** Water (527419-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1234471 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.800 | 0.8000 | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1234472 **Batch:** 364627
**Matrix (Source ID):** Water (527419-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1234472 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.800 | 0.8000 | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1235163 **Batch:** 364825
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1235163 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.24 | 03/04/25 | 03/04/25 |

**Type:** Lab Control Sample **Lab ID:** QC1235164 **Batch:** 364825
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1235164 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 26.33 | 25.00 | mg/L | 105% | | 85-115 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1235165 | Batch: | 364825 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527318-003) | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1235165 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 42.68 | 12.79 | 25.00 | mg/L | 120% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1235166 | Batch: | 364825 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527318-003) | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1235166 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 42.03 | 12.79 | 25.00 | mg/L | 117% | | 75-125 | 2 | 25 | 1 |

| Type: | Sample Duplicate | Lab ID: | QC1234421 | Batch: | 364615 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527704-001) | Method: | SM2130B | | |

| QC1234421 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Turbidity | 0.1460 | 0.1450 | NTU | | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1235790 | Batch: | 365009 |
|---|---|---|---|---|---|
| Matrix: | Drinking Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1235790 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Bicarbonate | ND | | mg/L | 2.0 | | 03/05/25 | 03/05/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 03/05/25 | 03/05/25 |

| Type: | Lab Control Sample | Lab ID: | QC1235791 | Batch: | 365009 |
|---|---|---|---|---|---|
| Matrix: | Drinking Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1235791 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 934.1 | 1000 | mg/L | 93% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1235792 | Batch: | 365009 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527642-001) | Method: | SM2320B | Prep Method: | METHOD |

| QC1235792 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Bicarbonate | 226.8 | 224.5 | mg/L | | 1 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 185.9 | 184.1 | mg/L | | 1 | 20 | 2.5 |

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# Batch QC

| Type: | Sample Duplicate | Lab ID: | QC1237107 | Batch: | 365360 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527718-001) | Method: | SM2510B | Prep Method: | METHOD |

| QC1237107 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 964.7 | 973.2 | umhos/cm | | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1235847 | Batch: | 365021 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1235847 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 03/05/25 | 03/06/25 |

| Type: | Lab Control Sample | Lab ID: | QC1235848 | Batch: | 365021 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1235848 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 996.0 | 1000 | mg/L | 100% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1235849 | Batch: | 365021 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527718-001) | Method: | SM2540C | Prep Method: | METHOD |

| QC1235849 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 670.0 | 684.0 | mg/L | | 2 | 5 | 2 |

| Type: | Blank | Lab ID: | QC1234276 | Batch: | 364571 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM5210B | Prep Method: | METHOD |

| QC1234276 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | mg/L | 3.0 | | 02/28/25 15:28 | 03/05/25 12:17 |

| Type: | Lab Control Sample | Lab ID: | QC1234277 | Batch: | 364571 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM5210B | Prep Method: | METHOD |

| QC1234277 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 174.3 | 198.0 | mg/L | 88% | | 84.6-115.4 |

| Type: | Sample Duplicate | Lab ID: | QC1234325 | Batch: | 364571 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527210-005) | Method: | SM5210B | Prep Method: | METHOD |

| QC1234325 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 2,953 | 2223 | mg/L | | 28 | 30 | 1 |

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# Batch QC

| | | |
|---|---|---|
| **Type: Blank** | **Lab ID: QC1237677** | **Batch: 365526** |
| **Matrix: Water** | **Method: SM5220D** | **Prep Method: METHOD** |

| QC1237677 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 03/11/25 | 03/11/25 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1237678** | **Batch: 365526** |
| **Matrix: Water** | **Method: SM5220D** | **Prep Method: METHOD** |

| QC1237678 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,023 | 1000 | mg/L | 102% | | 90-110 |

| | | |
|---|---|---|
| **Type: Matrix Spike** | **Lab ID: QC1237748** | **Batch: 365526** |
| **Matrix (Source ID): Water (527103-001)** | **Method: SM5220D** | **Prep Method: METHOD** |

| QC1237748 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,036 | 28.00 | 1000 | mg/L | 101% | | 75-125 | 2 |

| | | |
|---|---|---|
| **Type: Matrix Spike Duplicate** | **Lab ID: QC1237749** | **Batch: 365526** |
| **Matrix (Source ID): Water (527103-001)** | **Method: SM5220D** | **Prep Method: METHOD** |

| QC1237749 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,040 | 28.00 | 1000 | mg/L | 101% | | 75-125 | 0 | 20 | 2 |

| | |
|---|---|
| # | CCV drift outside limits; average CCV drift within limits per method requirements |
| * | Value is outside QC limits |
| E | Response exceeds instrument's linear range |
| ND | Not Detected |
| NM | Not Meaningful |
| b | See narrative |

**Laboratory Job Number 527718**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

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# Analytical Report

**WorkOrder:** 2503094

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-527718

**Project Location:**
**Project Received:** 03/04/2025

Analytical Report reviewed & approved for release on 03/11/2025 by:

Tracy Babjar
Project Manager

***The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.***

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503094

**Project:** EO-527718

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503094

**Project:** EO-527718

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| a3 | Sample diluted due to high organic content interfering with quantitative/or qualitative analysis. |
| b1 | Aqueous sample that contains greater than ~1 vol. % sediment |

## Quality Control Qualifiers

| | |
|---|---|
| F2 | LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria. |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503094 |
| **Date Received:** | 03/04/2025 9:08 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 03/05/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-527718 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| CACA250228SOUTHBASINDISCHARGE | 2503094-001A | Water | 02/28/2025 10:00 | GC15A 03052509.D | 312625 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 03/05/2025 14:59 |
| Bentazon | ND | 4.1 | 10 | 10 | 03/05/2025 14:59 |
| Chloramben | ND | 3.1 | 10 | 10 | 03/05/2025 14:59 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 03/05/2025 14:59 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 03/05/2025 14:59 |
| Dalapon | ND | 3.9 | 10 | 10 | 03/05/2025 14:59 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 03/05/2025 14:59 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 03/05/2025 14:59 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 03/05/2025 14:59 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 03/05/2025 14:59 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 03/05/2025 14:59 |
| MCPA | ND | 14 | 20 | 10 | 03/05/2025 14:59 |
| MCPP | ND | 7.7 | 20 | 10 | 03/05/2025 14:59 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 03/05/2025 14:59 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 03/05/2025 14:59 |
| Picloram | ND | 3.5 | 10 | 10 | 03/05/2025 14:59 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 03/05/2025 14:59 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 03/05/2025 14:59 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 92 | 60-140 | 03/05/2025 14:59 |

Analyst(s): DP

Analytical Comments: a3,b1

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503094 |
| **Date Received:** | 03/04/2025 9:08 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/06/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-527718 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| CACA250228SOUTHBASINDISCHARGE | 2503094-001B | Water | 02/28/2025 10:00 | GC26 0306251107.D | 312833 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1900** | 100 | 100 | 2 | 03/06/2025 16:29 |

Analyst(s): CLO

Analytical Comments: b1

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503094 |
| **Date Prepared:** | 03/05/2025 | **BatchID:** | 312625 |
| **Date Analyzed:** | 03/05/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-527718 | **Sample ID:** | MB/LCS/LCSD-312625 |

## QC Summary Report for SW8151A

| Analyte | MB Result | MDL | RL | SPK Val | MB IS/SS %REC | MB IS/SS Limits |
|---|---|---|---|---|---|---|
| Acifluorfen | ND | 0.26 | 1.0 | - | - | - |
| Bentazon | ND | 0.41 | 1.0 | - | - | - |
| Chloramben | ND | 0.31 | 1.0 | - | - | - |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.059 | 0.20 | - | - | - |
| 2,4-DB | ND | 0.21 | 1.0 | - | - | - |
| Dalapon | ND | 0.39 | 1.0 | - | - | - |
| DCPA (mono & diacid) | ND | 0.14 | 1.0 | - | - | - |
| Dicamba | ND | 0.059 | 0.20 | - | - | - |
| 3,5-Dichlorobenzoic Acid | ND | 0.19 | 1.0 | - | - | - |
| Dichloroprop | ND | 0.18 | 1.0 | - | - | - |
| Dinoseb (DNBP) | ND | 0.18 | 1.0 | - | - | - |
| MCPA | ND | 1.4 | 2.0 | - | - | - |
| MCPP | ND | 0.77 | 2.0 | - | - | - |
| 4-Nitrophenol | ND | 0.50 | 1.0 | - | - | - |
| Pentachlorophenol (PCP) | ND | 0.055 | 0.20 | - | - | - |
| Picloram | ND | 0.35 | 1.0 | - | - | - |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.056 | 0.20 | - | - | - |
| 2,4,5-TP (Silvex) | ND | 0.14 | 0.50 | - | - | - |
| **Surrogate Recovery** | | | | | | |
| DCAA | 9.0 | | | 10 | 90 | 70-130 |

*(Cont.)*

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503094 |
| **Date Prepared:** | 03/05/2025 | **BatchID:** | 312625 |
| **Date Analyzed:** | 03/05/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-527718 | **Sample ID:** | MB/LCS/LCSD-312625 |

## QC Summary Report for SW8151A

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Acifluorfen | 10 | 9.3 | 10 | 100 | 93 | 70-130 | 7.41 | 30 |
| Bentazon | 9.2 | 8.8 | 10 | 92 | 88 | 70-130 | 4.49 | 30 |
| Chloramben | 12 | 11 | 10 | 120 | 112 | 70-130 | 6.50 | 30 |
| 2,4-D (Dichlorophenoxyacetic acid) | 9.3 | 8.9 | 10 | 93 | 89 | 70-130 | 4.90 | 30 |
| 2,4-DB | 10 | 11 | 10 | 103 | 115 | 70-130 | 10.3 | 30 |
| Dalapon | 10 | 11 | 10 | 101 | 109 | 70-130 | 7.56 | 30 |
| DCPA (mono & diacid) | 9.9 | 9.5 | 10 | 99 | 95 | 70-130 | 4.82 | 30 |
| Dicamba | 9.8 | 9.1 | 10 | 98 | 91 | 70-130 | 6.78 | 30 |
| 3,5-Dichlorobenzoic Acid | 9.9 | 9.1 | 10 | 99 | 91 | 70-130 | 8.27 | 30 |
| Dichloroprop | 9.4 | 9.0 | 10 | 94 | 90 | 70-130 | 4.92 | 30 |
| Dinoseb (DNBP) | 9.6 | 9.4 | 10 | 96 | 94 | 70-130 | 2.46 | 30 |
| MCPA | 85 | 84 | 100 | 85 | 84 | 70-130 | 1.36 | 30 |
| MCPP | 91 | 86 | 100 | 91 | 86 | 70-130 | 6.33 | 30 |
| 4-Nitrophenol | 14 | 12 | 10 | 136,F2 | 125 | 70-130 | 8.64 | 30 |
| Pentachlorophenol (PCP) | 9.6 | 9.2 | 10 | 96 | 92 | 70-130 | 4.32 | 30 |
| Picloram | 10 | 9.4 | 10 | 100 | 94 | 70-130 | 6.14 | 30 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | 9.6 | 9.2 | 10 | 96 | 92 | 70-130 | 4.67 | 30 |
| 2,4,5-TP (Silvex) | 9.5 | 9.1 | 10 | 95 | 91 | 70-130 | 4.23 | 30 |
| **Surrogate Recovery** | | | | | | | | |
| DCAA | 9.3 | 8.9 | 10 | 93 | 89 | 70-130 | 3.76 | 30 |

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503094 |
| **Date Prepared:** | 03/06/2025 | **BatchID:** | 312833 |
| **Date Analyzed:** | 03/06/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-527718 | **Sample ID:** | MB/LCS/LCSD-312833 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 150 | 170 | 187.2 | 83 | 90 | 70-130 | 8.81 | 30 |

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# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503094** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
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Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-527718

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **03/04/2025**
*Date Logged:* **03/04/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503094-001 | CACA250228SOUTHBASINDISCHARGE | Water | 2/28/2025 10:00 | ☐ | A | A | B | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 8151_W | 2 | PRDisposal Fee | 3 | RSK175_CO2_W | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-527718
**Comments:**

**Work Order:** 2503094
**QC Level:** LEVEL 2
**Date Logged:** 3/4/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | CACA250228SOUTHBA SINDISCHARGE | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 2/28/2025 10:00 | 5 days | 3/11/2025 | 1%+ | ☐ | ☐ |
| 001B | CACA250228SOUTHBA SINDISCHARGE | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 2/28/2025 10:00 | 5 days | 3/11/2025 | 1%+ | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

250309$

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619 & 243367
PO #: PO-079649

Enthalpy Order: EO-527718
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| CACA250228SOUTHBASINDISCHARGE | 28-FEB-2025 10:00 | 527718-001 | 1 | Water | EPA 8151A Chlorinated Herbicides | |
| | | | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | | GLS |
| | Date: 3/3/25 1511 | Date: |
| | | Emily Pa |
| | Date: | Date: 3/4/25 0908 |
| | | |
| | Date: | Date: |

O.C cert
1R30

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# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 3/4/2025 09:08 |
| Project: | EO-527718 | Date Logged: | 3/4/2025 |
| | | Received by: | |
| WorkOrder №: | 2503094 Matrix: | Logged by: | Emily Perez |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.6°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

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# Analytical Report

**WorkOrder:** 2503094

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-527718

**Project Location:**
**Project Received:** 03/04/2025

Analytical Report reviewed & approved for release on 03/11/2025 by:

Tracy Babjar
Project Manager

***The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.***

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503094

**Project:** EO-527718

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503094

**Project:** EO-527718

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| a3 | Sample diluted due to high organic content interfering with quantitative/or qualitative analysis. |
| b1 | Aqueous sample that contains greater than ~1 vol. % sediment |

## Quality Control Qualifiers

| | |
|---|---|
| F2 | LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria. |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503094 |
| **Date Received:** | 03/04/2025 9:08 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 03/05/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-527718 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| CACA250228SOUTHBASINDISCHARGE | 2503094-001A | Water | 02/28/2025 10:00 | GC15A 03052509.D | 312625 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 03/05/2025 14:59 |
| Bentazon | ND | 4.1 | 10 | 10 | 03/05/2025 14:59 |
| Chloramben | ND | 3.1 | 10 | 10 | 03/05/2025 14:59 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 03/05/2025 14:59 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 03/05/2025 14:59 |
| Dalapon | ND | 3.9 | 10 | 10 | 03/05/2025 14:59 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 03/05/2025 14:59 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 03/05/2025 14:59 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 03/05/2025 14:59 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 03/05/2025 14:59 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 03/05/2025 14:59 |
| MCPA | ND | 14 | 20 | 10 | 03/05/2025 14:59 |
| MCPP | ND | 7.7 | 20 | 10 | 03/05/2025 14:59 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 03/05/2025 14:59 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 03/05/2025 14:59 |
| Picloram | ND | 3.5 | 10 | 10 | 03/05/2025 14:59 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 03/05/2025 14:59 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 03/05/2025 14:59 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 92 | 60-140 | 03/05/2025 14:59 |

Analyst(s): DP

Analytical Comments: a3,b1

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503094 |
| **Date Received:** | 03/04/2025 9:08 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/06/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-527718 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| CACA250228SOUTHBASINDISCHARGE | 2503094-001B | Water | 02/28/2025 10:00 | GC26 0306251107.D | 312833 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1900** | 100 | 100 | 2 | 03/06/2025 16:29 |

Analyst(s): CLO

Analytical Comments: b1

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503094 |
| **Date Prepared:** | 03/05/2025 | **BatchID:** | 312625 |
| **Date Analyzed:** | 03/05/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-527718 | **Sample ID:** | MB/LCS/LCSD-312625 |

## QC Summary Report for SW8151A

| Analyte | MB Result | MDL | RL | SPK Val | MB IS/SS %REC | MB IS/SS Limits |
|---|---|---|---|---|---|---|
| Acifluorfen | ND | 0.26 | 1.0 | - | - | - |
| Bentazon | ND | 0.41 | 1.0 | - | - | - |
| Chloramben | ND | 0.31 | 1.0 | - | - | - |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.059 | 0.20 | - | - | - |
| 2,4-DB | ND | 0.21 | 1.0 | - | - | - |
| Dalapon | ND | 0.39 | 1.0 | - | - | - |
| DCPA (mono & diacid) | ND | 0.14 | 1.0 | - | - | - |
| Dicamba | ND | 0.059 | 0.20 | - | - | - |
| 3,5-Dichlorobenzoic Acid | ND | 0.19 | 1.0 | - | - | - |
| Dichloroprop | ND | 0.18 | 1.0 | - | - | - |
| Dinoseb (DNBP) | ND | 0.18 | 1.0 | - | - | - |
| MCPA | ND | 1.4 | 2.0 | - | - | - |
| MCPP | ND | 0.77 | 2.0 | - | - | - |
| 4-Nitrophenol | ND | 0.50 | 1.0 | - | - | - |
| Pentachlorophenol (PCP) | ND | 0.055 | 0.20 | - | - | - |
| Picloram | ND | 0.35 | 1.0 | - | - | - |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.056 | 0.20 | - | - | - |
| 2,4,5-TP (Silvex) | ND | 0.14 | 0.50 | - | - | - |
| **Surrogate Recovery** | | | | | | |
| DCAA | 9.0 | | | 10 | 90 | 70-130 |

*(Cont.)*

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503094 |
| **Date Prepared:** | 03/05/2025 | **BatchID:** | 312625 |
| **Date Analyzed:** | 03/05/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-527718 | **Sample ID:** | MB/LCS/LCSD-312625 |

## QC Summary Report for SW8151A

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Acifluorfen | 10 | 9.3 | 10 | 100 | 93 | 70-130 | 7.41 | 30 |
| Bentazon | 9.2 | 8.8 | 10 | 92 | 88 | 70-130 | 4.49 | 30 |
| Chloramben | 12 | 11 | 10 | 120 | 112 | 70-130 | 6.50 | 30 |
| 2,4-D (Dichlorophenoxyacetic acid) | 9.3 | 8.9 | 10 | 93 | 89 | 70-130 | 4.90 | 30 |
| 2,4-DB | 10 | 11 | 10 | 103 | 115 | 70-130 | 10.3 | 30 |
| Dalapon | 10 | 11 | 10 | 101 | 109 | 70-130 | 7.56 | 30 |
| DCPA (mono & diacid) | 9.9 | 9.5 | 10 | 99 | 95 | 70-130 | 4.82 | 30 |
| Dicamba | 9.8 | 9.1 | 10 | 98 | 91 | 70-130 | 6.78 | 30 |
| 3,5-Dichlorobenzoic Acid | 9.9 | 9.1 | 10 | 99 | 91 | 70-130 | 8.27 | 30 |
| Dichloroprop | 9.4 | 9.0 | 10 | 94 | 90 | 70-130 | 4.92 | 30 |
| Dinoseb (DNBP) | 9.6 | 9.4 | 10 | 96 | 94 | 70-130 | 2.46 | 30 |
| MCPA | 85 | 84 | 100 | 85 | 84 | 70-130 | 1.36 | 30 |
| MCPP | 91 | 86 | 100 | 91 | 86 | 70-130 | 6.33 | 30 |
| 4-Nitrophenol | 14 | 12 | 10 | 136,F2 | 125 | 70-130 | 8.64 | 30 |
| Pentachlorophenol (PCP) | 9.6 | 9.2 | 10 | 96 | 92 | 70-130 | 4.32 | 30 |
| Picloram | 10 | 9.4 | 10 | 100 | 94 | 70-130 | 6.14 | 30 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | 9.6 | 9.2 | 10 | 96 | 92 | 70-130 | 4.67 | 30 |
| 2,4,5-TP (Silvex) | 9.5 | 9.1 | 10 | 95 | 91 | 70-130 | 4.23 | 30 |
| **Surrogate Recovery** | | | | | | | | |
| DCAA | 9.3 | 8.9 | 10 | 93 | 89 | 70-130 | 3.76 | 30 |

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503094 |
| **Date Prepared:** | 03/06/2025 | **BatchID:** | 312833 |
| **Date Analyzed:** | 03/06/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-527718 | **Sample ID:** | MB/LCS/LCSD-312833 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 150 | 170 | 187.2 | 83 | 90 | 70-130 | 8.81 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503094** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-527718

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **03/04/2025**
*Date Logged:* **03/04/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503094-001 | CACA250228SOUTHBASINDISCHARGE | Water | 2/28/2025 10:00 | ☐ | A | A | B | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 8151_W | 2 | PRDisposal Fee | 3 | RSK175_CO2_W | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-527718
**Comments:**

**Work Order:** 2503094
**QC Level:** LEVEL 2
**Date Logged:** 3/4/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | CACA250228SOUTHBASINDISCHARGE | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 2/28/2025 10:00 | 5 days | 3/11/2025 | 1%+ | ☐ | ☐ |
| 001B | CACA250228SOUTHBASINDISCHARGE | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 2/28/2025 10:00 | 5 days | 3/11/2025 | 1%+ | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

250309$

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619 & 243367
PO #: PO-079649

Enthalpy Order: EO-527718
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| CACA250228SOUTHBASINDISCHARGE | 28-FEB-2025 10:00 | 527718-001 | 1 | Water | EPA 8151A Chlorinated Herbicides | |
| | | | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | | GLS |
| | Date: 3/3/25 1511 | Date: |
| | | Emily Pa |
| | Date: | Date: 3/4/25 0908 |
| | | |
| | Date: | Date: |

O.C cert
1R30

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-527718
WorkOrder №: 2503094 Matrix:
Carrier: Golden State Overnight

Date and Time Received: 3/4/2025 09:08
Date Logged: 3/4/2025
Received by:
Logged by: Emily Perez

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.6°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528029
Report Level : II
Report Date : 03/19/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - Chiquita Canyon Landfill - MPars

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 528029 |
| Project No: | SW - MPARS |
| Location: | Chiquita Canyon Landfill - MPars |
| Date Received: | 03/05/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 528029-001 | 03/05/25 10:40 | Water |
| SOUTH BASIN - EASTERN INLET | 528029-002 | 03/05/25 11:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528029<br>Project No: SW - MPARS<br>Location: Chiquita Canyon Landfill - MPars<br>Date Received: 03/05/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/05/25. The samples were received cold and intact. All discrepancies listed on the attached Login Checklist and the attached email were addressed by CTEH Field staff by phone - including, use of full sample location names, e.g., South Basin - Eastern Inlet, and that the sample collection times listed on the COC are correct. Headspace was noted in some of the VOA vials, but there are vials without headspace that can/will be used for analysis. See the email attached to the COC.

**Volatile Organics by GC/MS (EPA 8260B):**

- Chloroform was detected between the MDL and the RL in the method blank for batch 365910; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 200.7 and EPA 200.8):**

- Magnesium was detected between the MDL and the RL in the method blank for batch 365124; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- High recovery was observed for fluoride in the MSD for batch 365312; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for fluoride in the MS/MSD for batch 365312.
- No other analytical problems were encountered.

**Conductivity (SM2510B):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**

- High RPD was observed for total dissolved solids in the SDUP of SOUTH BASIN - EASTERN INLET (lab # 528029-002).
- No other analytical problems were encountered.

**Chemical Oxygen Demand (SM5220D):**
No analytical problems were encountered.

**Turbidity (SM2130B):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

Login 528029

# Chain of Custody

Pg 1 of 4

Enthalpy Analytical

| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |

**Additionally Report To**

stormwater@wasteconnections.com
tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910

Sampler Name: Scott Tours, Caleb Hercyk

**Project Information**

Project ID: Chiquita Canyon Landfill - MPars
Project Number:

**TAT**

| Standard | Rush |
|---|---|
| 10 Days ● | ___ Days / Hours ○ |

IR 11 → 15.4

*Excluding parameters sampled as part of IGP, WDR, & Sub N analysis

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Container: Poly | Container: Glass | Container: Sleeve | Container: Other | Preservative: HCl | Preservative: HNO3 | Preservative: H2SO4 | Preservative: Other | Preservative: None | Matrix: Water | Matrix: Soil | Matrix: Other | Total Number of Containers per Sample ID | VOCs 8260B | 1,4-Dioxane | Alkalinity, total | Bicarbonate as CaCO3 | Nitrate-N | COD, SO4, TDS, TOC | B, Ca, K, Mn, Na | Bromide, Fluoride, Sulfide | Carbon Dioxide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH | 3/5 | 1040 | | | | | | | | | | | | | | 12 | X | X | X | X | X | X | X | X | X |
| EAST | 3/5 | 1100 | | | | | | | | | | | | | | 12 | X | X | X | X | X | X | X | X | X |

**Notes**

| | Field pH: | Turbidity: | Temp: | Specific Conductance: |
|---|---|---|---|---|
| SOUTH | 5,72 | | 14,5 | |
| EAST | 8,55 | | 14,1 | |

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| [signature] | [signature] | 3/5/25 | 5:00pm |

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: | Mileage: | Misc. Supplies:

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/5/25 WO# 528029 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☐ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/5/25 By (initials) HXD Type of ice used: ☐ Wet ☐ Blue/Gel ■ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 15.3 / 15.4 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | ~~X~~ N/A | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | | X | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | X | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.6 - SAMPLE ID AND SAMPLING TIME DISCREPANCY. SOUTH, COLLECTED @ 1040 AND EAST @ 1100 PER COC; SOUTH BASIN-WESTERN INLET @ 1100 AND SOUTH BASIN EASTERN INLET @ 1130.

4.13 - HEADSPACE >6MM IN 1/5 VIALS OF SAMPLE -002

☐ **No additional discrepancies**

**Date Logged** 3/5/25 **By (print)** ABD **(sign)** ABD

**Date Labeled** 3/5/25 **By (print)** EA-Orange **(sign)** EA-ORANGE

Outlook

## Fw: Waste Connections LR# 528029, 528030, 528031, 528033

**From** David Tripp <david.tripp@enthalpy.com>
**Date** Thu 3/6/2025 11:49 AM
**To** Scott Toups <sctoups@montrose-env.com>; Elbie Cannon <ecannon@montrose-env.com>

1 attachment (3 MB)
3-5-25 storm water samples.pdf;

Hello Guys - discrepancies between bottle labels and COC noted in the email from our Login Group below. My comments added to help answer the discrepancies. Please reply accordingly as soon as you can. Some of these discrepancies will carry over to our subcontract COCs - and we need to follow up with the Sub-Labs ASAP to ensure they have accurate sample time and ID information so our data is aligned for reporting.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

---

**From:** Fernando Diwa <fernando.diwa@enthalpy.com>
**Sent:** Thursday, March 6, 2025 11:26 AM
**To:** Zach Barker <Zach.barker@enthalpy.com>
**Cc:** David Tripp <david.tripp@enthalpy.com>; Sample Receiving Group Orange <srloginorange@enthalpy.com>; Jocelyn Nguyen <JocelynNguyen@enthalpy.com>
**Subject:** Waste Connections LR# 528029, 528030, 528031, 528033

Hi Zach,

Please review the login for these jobs. The following discrepancies were noted on the following:

1. All samples for all LRs have collection time @1100 for South Basin - Western Inlet and @1130 for South Basin - Eastern Inlet, coc listed as @1040 for Western Inlet and @1100 for Eastern Inlet. Which are correct - sample bottles or COC?

2. Sample ID discrepancy  for LR #528029 - SOUTH for -001 and EAST for -002 per coc, South Basin - Western Inlet and  South Basin - Eastern Inlet per label. Discrepancy on sampling time as

mentioned on item no. 1. Shall we be consistent in naming samples (3 of 4 COCs, and all bottles using the longer IDs)?

3. Received 4 containers each for LR # 528030, coc listed as 5 containers. Will let you all know if we run into any problems with sample volume for testing.

4. Received 16 containers for LR #528033, coc listed as 17 containers. Will let you all know if we run into any problems with sample volume for testing.

5. Headspace >6 mm in 3/5 vials of 528033-002 and 1/5 vials of 528029-002. Will comment in the case narrative if and as necessary.

Also, please let us know when the sub-coc for 528029 and 528033 are ready.

Regards,

Fernando Diwa
Technician III
Enthalpy Analytical
Orange, CA | US Pacific Time
Office: +1-714-771-6900 x 10310
fernando.diwa@enthalpy.com | enthalpy.com

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Outlook

## Re: [External] Re: 3-5-25 Storm Water COC

**From** Elbie Cannon <ecannon@cteh.com>
**Date** Wed 3/5/2025 6:02 PM
**To** David Tripp <david.tripp@enthalpy.com>; Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc** Elbie Cannon <ecannon@montrose-env.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Good to proceed with analysis.

Elbie Cannon
Emergency Response Consultant
CTEH, LLC
Cell: +1-501-269-8844

---

**From:** David Tripp <david.tripp@enthalpy.com>
**Sent:** Wednesday, March 5, 2025 7:15:49 PM
**To:** Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** [External] Re: 3-5-25 Storm Water COC

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Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710

david.tripp@enthalpy.com | enthalpy.com
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**From:** Scott Toups <sctoups@montrose-env.com>
**Sent:** Wednesday, March 5, 2025 1:11 PM
**To:** David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

---

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Outlook

---

## Re: [External] - Re: 3-5-25 Storm Water COC

---

**From** David Tripp <david.tripp@enthalpy.com>
**Date** Wed 3/5/2025 5:57 PM
**To** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Cc** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>

Hello Matt - the same day collected/received requirement is met for over temp sample. It's the '*evidence of cooling'* requirement that was not met (was not received on ice).

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

---

**From:** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Sent:** Wednesday, March 5, 2025 5:52 PM
**To:** David Tripp <david.tripp@enthalpy.com>
**Cc:** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>
**Subject:** [External] - Re: 3-5-25 Storm Water COC

This is the first time you received an email from this sender (Matt.Breuer@WasteConnections.com). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi David - These were sampled today, correct? So no issue meeting requirements?

Thanks,

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

---

**From:** David Tripp <david.tripp@enthalpy.com>
**Sent:** Wednesday, March 5, 2025 5:16 PM
**To:** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>

**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** Re: 3-5-25 Storm Water COC

**This Message Is From an External Sender**
This message came from outside your organization.
Report Suspicious

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

---

**From:** Scott Toups <sctoups@montrose-env.com>
**Sent:** Wednesday, March 5, 2025 1:11 PM
**To:** David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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ENTHALPY ANALYTICAL

# Analysis Results for 528029

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528029
Project No: SW - MPARS
Location: Chiquita Canyon Landfill - MPars
Date Received: 03/05/25

**Sample ID:** SOUTH BASIN - WESTERN INLET | **Lab ID:** 528029-001 | **Matrix:** Water | **Collected:** 03/05/25 10:40

| 528029-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **380** | | mg/L | 0.57 | 0.57 | 1 | 365124 | 03/06/25 | 03/07/25 | CAP |
| Magnesium | **22** | | mg/L | 0.10 | 0.025 | 1 | 365124 | 03/06/25 | 03/07/25 | CAP |
| Potassium | **15** | | mg/L | 0.50 | 0.40 | 1 | 365124 | 03/06/25 | 03/07/25 | CAP |
| Sodium | **42** | | mg/L | 0.50 | 0.35 | 1 | 365124 | 03/06/25 | 03/07/25 | CAP |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **170** | | ug/L | 100 | 56 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Manganese | **2,800** | | ug/L | 100 | 43 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.20** | J | mg/L | 0.20 | 0.073 | 1 | 365312 | 03/08/25 13:15 | 03/08/25 18:48 | JAA |
| Nitrogen, Nitrite | **0.11** | | mg/L | 0.10 | 0.02 | 1 | 365073 | 03/06/25 11:30 | 03/07/25 01:10 | JAA |
| Bromide | **0.095** | J | mg/L | 0.30 | 0.060 | 1 | 365073 | 03/06/25 11:30 | 03/07/25 01:10 | JAA |
| Nitrogen, Nitrate | **0.96** | | mg/L | 0.10 | 0.05 | 1 | 365073 | 03/06/25 11:30 | 03/07/25 01:10 | JAA |
| Sulfate | **69** | | mg/L | 1.0 | 0.25 | 1 | 365073 | 03/06/25 11:30 | 03/07/25 01:10 | JAA |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Acetone | **36** | J | ug/L | 100 | 17 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 2-Butanone | **5.2** | J | ug/L | 100 | 2.0 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Chloroform | **0.2** | B,J | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528029

| 528029-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | **0.1** | J | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 4-Methyl-2-Pentanone | **7.1** | | ug/L | 5.0 | 1.4 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dichloroethane-d4 | 114% | | %REC | 70-130 | | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528029

| 528029-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365119 | 03/06/25 | 03/08/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 365119 | 03/06/25 | 03/08/25 | XLY |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 365289 | 03/08/25 | 03/08/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **24** | | mg/L | 1.0 | 0.68 | 1 | 365597 | 03/11/25 | 03/12/25 | TDD |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **340** | | NTU | 0.10 | 0.009 | 1 | 365155 | 03/06/25 20:52 | 03/06/25 20:52 | ARM |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **78** | | mg/L | 3.0 | | 1.3 | 365475 | 03/10/25 | 03/10/25 | WWC |
| Alkalinity, Total as CaCO3 | **85** | | mg/L | 2.5 | | 1.3 | 365475 | 03/10/25 | 03/10/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **330** | | umhos/cm | 1.0 | | 1 | 365607 | 03/11/25 | 03/11/25 | RDL |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **230** | | mg/L | 20 | | 2 | 365604 | 03/11/25 | 03/13/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **550** | | mg/L | 4.0 | 1.6 | 1 | 365861 | 03/13/25 | 03/14/25 | TDD |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528029

| Sample ID: | Lab ID: 528029-002 | Collected: 03/05/25 11:00 |
|---|---|---|
| SOUTH BASIN - EASTERN INLET | Matrix: Water | |

| 528029-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **1,400** | | mg/L | 57 | 57 | 100 | 365439 | 03/10/25 | 03/12/25 | KAM |
| Magnesium | **130** | | mg/L | 0.10 | 0.025 | 1 | 365439 | 03/10/25 | 03/11/25 | KAM |
| Potassium | **54** | | mg/L | 50 | 40 | 100 | 365439 | 03/10/25 | 03/12/25 | KAM |
| Sodium | **110** | | mg/L | 0.50 | 0.35 | 1 | 365439 | 03/10/25 | 03/11/25 | KAM |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **580** | | ug/L | 200 | 110 | 20 | 365527 | 03/11/25 | 03/11/25 | DXC |
| Manganese | **11,000** | | ug/L | 2,000 | 690 | 200 | 365527 | 03/11/25 | 03/11/25 | DXC |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.22** | | mg/L | 0.20 | 0.073 | 1 | 365312 | 03/08/25 13:15 | 03/08/25 19:05 | JAA |
| Nitrogen, Nitrite | **0.08** | J | mg/L | 0.10 | 0.02 | 1 | 365073 | 03/06/25 11:30 | 03/07/25 03:16 | JAA |
| Bromide | **0.25** | J | mg/L | 0.30 | 0.060 | 1 | 365073 | 03/06/25 11:30 | 03/07/25 03:16 | JAA |
| Nitrogen, Nitrate | **1.4** | | mg/L | 0.10 | 0.05 | 1 | 365073 | 03/06/25 11:30 | 03/07/25 03:16 | JAA |
| Sulfate | **290** | | mg/L | 10 | 2.5 | 10 | 365073 | 03/06/25 11:30 | 03/07/25 03:37 | JAA |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Acetone | **57** | J | ug/L | 100 | 17 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 2-Butanone | **6.7** | J | ug/L | 100 | 2.0 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Chloroform | **0.2** | B,J | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528029

| 528029-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-Pentanone | **3.1** | J | ug/L | 5.0 | 1.4 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| 1,2-Dichloroethane-d4 | 112% | | %REC | 70-130 | | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 365910 | 03/14/25 | 03/14/25 | HMN |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365119 | 03/06/25 | 03/08/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 1 | 365119 | 03/06/25 | 03/08/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528029

| 528029-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 365289 | 03/08/25 | 03/08/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **36** | | mg/L | 1.0 | 0.68 | 1 | 365597 | 03/11/25 | 03/12/25 | TDD |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **21** | | NTU | 0.10 | 0.009 | 1 | 365155 | 03/06/25 20:52 | 03/06/25 20:52 | ARM |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **84** | | mg/L | 3.0 | | 1.3 | 365475 | 03/10/25 | 03/10/25 | WWC |
| Alkalinity, Total as CaCO3 | **69** | | mg/L | 2.5 | | 1.3 | 365475 | 03/10/25 | 03/10/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **1,670** | | umhos/cm | 1.0 | | 1 | 365607 | 03/11/25 | 03/11/25 | RDL |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,300** | | mg/L | 50 | | 5 | 365604 | 03/11/25 | 03/13/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **5,200** | | mg/L | 40 | 16 | 10 | 365861 | 03/13/25 | 03/14/25 | TDD |

B Contamination found in associated Method Blank
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1236176 | Batch: 365124 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1236176 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/06/25 | 03/07/25 |
| Magnesium | 0.040 | J | mg/L | 0.10 | 0.025 | 03/06/25 | 03/07/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 03/06/25 | 03/07/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 03/06/25 | 03/07/25 |

| Type: Lab Control Sample | Lab ID: QC1236177 | Batch: 365124 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1236177 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 20.88 | 20.40 | mg/L | 102% | | 85-115 |
| Magnesium | 21.59 | 20.40 | mg/L | 106% | | 85-115 |
| Potassium | 23.76 | 24.00 | mg/L | 99% | | 85-115 |
| Sodium | 20.46 | 20.40 | mg/L | 100% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1236178 | Batch: 365124 |
|---|---|---|
| Matrix (Source ID): Water (528126-005) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1236178 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 76.05 | 58.03 | 20.40 | mg/L | 88% | | 75-125 | 1 |
| Magnesium | 28.78 | 8.008 | 20.40 | mg/L | 102% | | 75-125 | 1 |
| Potassium | 47.90 | 24.82 | 24.00 | mg/L | 96% | | 75-125 | 1 |
| Sodium | 71.35 | 53.51 | 20.40 | mg/L | 87% | | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1236179 | Batch: 365124 |
|---|---|---|
| Matrix (Source ID): Water (528126-005) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1236179 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 76.00 | 58.03 | 20.40 | mg/L | 88% | | 75-125 | 0 | 20 | 1 |
| Magnesium | 28.81 | 8.008 | 20.40 | mg/L | 102% | | 75-125 | 0 | 20 | 1 |
| Potassium | 48.12 | 24.82 | 24.00 | mg/L | 97% | | 75-125 | 0 | 20 | 1 |
| Sodium | 71.12 | 53.51 | 20.40 | mg/L | 86% | | 75-125 | 0 | 20 | 1 |

| Type: Serial Dilution | Lab ID: QC1236273 | Batch: 365124 |
|---|---|---|
| Matrix (Source ID): Water (528126-005) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1236273 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Calcium | 57.71 | 58.03 | mg/L | | | | 5 |
| Magnesium | 7.980 | 8.008 | mg/L | | | | 5 |
| Potassium | 23.77 | 24.82 | mg/L | | | | 5 |
| Sodium | 53.69 | 53.51 | mg/L | | | | 5 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1237412 | Batch: 365439 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1237412 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/10/25 | 03/10/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 03/10/25 | 03/10/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 03/10/25 | 03/12/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 03/10/25 | 03/10/25 |

| Type: Lab Control Sample | Lab ID: QC1237413 | Batch: 365439 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1237413 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 20.16 | 20.40 | mg/L | 99% | | 85-115 |
| Magnesium | 20.60 | 20.40 | mg/L | 101% | | 85-115 |
| Potassium | 24.04 | 24.00 | mg/L | 100% | | 85-115 |
| Sodium | 19.26 | 20.40 | mg/L | 94% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1237414 | Batch: 365439 |
|---|---|---|
| Matrix (Source ID): Water (528259-002) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1237414 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 28.60 | 9.106 | 20.40 | mg/L | 96% | | 75-125 | 1 |
| Magnesium | 23.32 | 3.093 | 20.40 | mg/L | 99% | | 75-125 | 1 |
| Potassium | 25.12 | 2.742 | 24.00 | mg/L | 93% | | 75-125 | 1 |
| Sodium | 21.31 | 2.430 | 20.40 | mg/L | 93% | | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1237415 | Batch: 365439 |
|---|---|---|
| Matrix (Source ID): Water (528259-002) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1237415 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 29.39 | 9.106 | 20.40 | mg/L | 99% | | 75-125 | 3 | 20 | 1 |
| Magnesium | 24.07 | 3.093 | 20.40 | mg/L | 103% | | 75-125 | 3 | 20 | 1 |
| Potassium | 25.87 | 2.742 | 24.00 | mg/L | 96% | | 75-125 | 3 | 20 | 1 |
| Sodium | 22.03 | 2.430 | 20.40 | mg/L | 96% | | 75-125 | 3 | 20 | 1 |

| Type: Serial Dilution | Lab ID: QC1237477 | Batch: 365439 |
|---|---|---|
| Matrix (Source ID): Water (528259-002) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1237477 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Calcium | 9.115 | 9.106 | mg/L | | | | 5 |
| Magnesium | 3.128 | 3.093 | mg/L | | | | 5 |
| Potassium | ND | 2.742 | mg/L | | | | 5 |
| Sodium | 2.552 | 2.430 | mg/L | | | | 5 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1236114 | Batch: 365105 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1236114 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | ug/L | 10 | 5.6 | 03/06/25 | 03/06/25 |
| Manganese | ND | | ug/L | 10 | 4.3 | 03/06/25 | 03/06/25 |

| Type: Lab Control Sample | Lab ID: QC1236115 | Batch: 365105 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1236115 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 92.58 | 100.0 | ug/L | 93% | | 85-115 |
| Manganese | 104.1 | 100.0 | ug/L | 104% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1236116 | Batch: 365105 |
|---|---|---|
| Matrix (Source ID): Water (528033-002) | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1236116 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 655.4 | 575.7 | 100.0 | ug/L | 80% | NM | 70-130 | 10 |
| Manganese | 11,340 | 12200 | 100.0 | ug/L | -861% | E,NM | 70-130 | 10 |

| Type: Matrix Spike Duplicate | Lab ID: QC1236117 | Batch: 365105 |
|---|---|---|
| Matrix (Source ID): Water (528033-002) | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1236117 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 627.8 | 575.7 | 100.0 | ug/L | 52% | NM | 70-130 | 4 | 20 | 10 |
| Manganese | 10,620 | 12200 | 100.0 | ug/L | -1585% | E,NM | 70-130 | | 20 | 10 |

| Type: Blank | Lab ID: QC1237680 | Batch: 365527 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1237680 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | ug/L | 10 | 5.7 | 03/11/25 | 03/11/25 |
| Manganese | ND | | ug/L | 10 | 3.4 | 03/11/25 | 03/11/25 |

| Type: Lab Control Sample | Lab ID: QC1237681 | Batch: 365527 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1237681 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 98.28 | 100.0 | ug/L | 98% | | 85-115 |
| Manganese | 97.84 | 100.0 | ug/L | 98% | | 85-115 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1237682** | **Batch:** | **365527** |
| **Matrix (Source ID):** | **Water (528425-001)** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1237682 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 144.8 | 16.07 | 100.0 | ug/L | 129% | | 70-130 | 20 |
| Manganese | 131.3 | 32.62 | 100.0 | ug/L | 99% | | 70-130 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1237683** | **Batch:** | **365527** |
| **Matrix (Source ID):** | **Water (528425-001)** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1237683 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 122.3 | 16.07 | 100.0 | ug/L | 106% | | 70-130 | 17 | 20 | 20 |
| Manganese | 130.2 | 32.62 | 100.0 | ug/L | 98% | | 70-130 | 1 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1236018** | **Batch:** | **365073** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236018 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 03/06/25 11:30 | 03/06/25 15:25 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 03/06/25 11:30 | 03/06/25 15:25 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 03/06/25 11:30 | 03/06/25 15:25 |
| Sulfate | ND | | mg/L | 1.0 | 0.25 | 03/06/25 11:30 | 03/06/25 15:25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1236019** | **Batch:** | **365073** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236019 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | 4.563 | 4.567 | mg/L | 100% | | 90-110 |
| Bromide | 14.90 | 15.00 | mg/L | 99% | | 90-110 |
| Nitrogen, Nitrate | 4.461 | 4.518 | mg/L | 99% | | 90-110 |
| Sulfate | 24.80 | 25.00 | mg/L | 99% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1236020** | **Batch:** | **365073** |
| **Matrix (Source ID):** | **Drinking Water (528085-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236020 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | 9.276 | ND | 9.134 | mg/L | 102% | | 80-120 | 1 |
| Bromide | 15.67 | 0.8001 | 15.00 | mg/L | 99% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.073 | ND | 9.036 | mg/L | 100% | | 80-120 | 1 |
| Sulfate | 591.3 | 747.6 | 50.00 | mg/L | -313% | E,NM | 80-120 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1236021** | **Batch:** | **365073** |
| **Matrix (Source ID):** | **Drinking Water (528085-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236021 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | 9.486 | ND | 9.134 | mg/L | 104% | | 80-120 | 2 | 20 | 1 |
| Bromide | 16.03 | 0.8001 | 15.00 | mg/L | 102% | | 80-120 | 2 | 20 | 1 |
| Nitrogen, Nitrate | 9.249 | ND | 9.036 | mg/L | 102% | | 80-120 | 2 | 20 | 1 |
| Sulfate | 591.6 | 747.6 | 50.00 | mg/L | -312% | E,NM | 80-120 | | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1236023** | **Batch:** | **365073** |
| **Matrix (Source ID):** | **Drinking Water (528088-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236023 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | 8.890 | ND | 9.134 | mg/L | 97% | | 80-120 | 1 |
| Bromide | 14.55 | ND | 15.00 | mg/L | 97% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.054 | ND | 9.036 | mg/L | 100% | | 80-120 | 1 |
| Sulfate | 52.88 | 4.269 | 50.00 | mg/L | 97% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1236024** | **Batch:** | **365073** |
| **Matrix (Source ID):** | **Drinking Water (528088-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236024 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | 9.250 | ND | 9.134 | mg/L | 101% | | 80-120 | 4 | 20 | 1 |
| Bromide | 15.09 | ND | 15.00 | mg/L | 101% | | 80-120 | 4 | 20 | 1 |
| Nitrogen, Nitrate | 9.390 | ND | 9.036 | mg/L | 104% | | 80-120 | 4 | 20 | 1 |
| Sulfate | 54.71 | 4.269 | 50.00 | mg/L | 101% | | 80-120 | 3 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1236897** | **Batch:** | **365312** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236897 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.073 | 03/08/25 13:15 | 03/08/25 14:35 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1236898** | **Batch:** | **365312** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236898 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.132 | 10.00 | mg/L | 91% | | 90-110 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1236899** | **Batch:** | **365312** |
| **Matrix (Source ID):** | **Drinking Water (528140-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236899 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.13 | 0.4842 | 20.00 | mg/L | 103% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1236900** | **Batch:** | **365312** |
| **Matrix (Source ID):** | **Drinking Water (528140-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236900 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 27.54 | 0.4842 | 20.00 | mg/L | 135% | * | 80-120 | 26* | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1236901** | **Batch:** | **365312** |
| **Matrix (Source ID):** | **Drinking Water (527927-009)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236901 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 21.07 | 0.4672 | 20.00 | mg/L | 103% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1236902** | **Batch:** | **365312** |
| **Matrix (Source ID):** | **Drinking Water (527927-009)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236902 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.52 | 0.4672 | 20.00 | mg/L | 100% | | 80-120 | 3 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238956** | **Batch:** | **365910** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238956 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 59.60 | 50.00 | ug/L | 119% | | 70-135 |
| MTBE | 50.27 | 50.00 | ug/L | 101% | | 70-130 |
| Benzene | 47.19 | 50.00 | ug/L | 94% | | 70-130 |
| Trichloroethene | 50.46 | 50.00 | ug/L | 101% | | 70-130 |
| Toluene | 49.54 | 50.00 | ug/L | 99% | | 70-130 |
| Chlorobenzene | 50.94 | 50.00 | ug/L | 102% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 52.50 | 50.00 | ug/L | 105% | | 70-130 |
| 1,2-Dichloroethane-d4 | 57.42 | 50.00 | ug/L | 115% | | 70-130 |
| Toluene-d8 | 49.44 | 50.00 | ug/L | 99% | | 70-130 |
| Bromofluorobenzene | 46.31 | 50.00 | ug/L | 93% | | 70-130 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1238957** | **Batch:** | **365910** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238957 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 62.24 | 50.00 | ug/L | 124% | | 70-135 | 4 | 30 |
| MTBE | 53.24 | 50.00 | ug/L | 106% | | 70-130 | 6 | 30 |
| Benzene | 49.10 | 50.00 | ug/L | 98% | | 70-130 | 4 | 30 |
| Trichloroethene | 53.37 | 50.00 | ug/L | 107% | | 70-130 | 6 | 30 |
| Toluene | 49.34 | 50.00 | ug/L | 99% | | 70-130 | 0 | 30 |
| Chlorobenzene | 53.00 | 50.00 | ug/L | 106% | | 70-130 | 4 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 54.03 | 50.00 | ug/L | 108% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 54.33 | 50.00 | ug/L | 109% | | 70-130 | | |
| Toluene-d8 | 49.05 | 50.00 | ug/L | 98% | | 70-130 | | |
| Bromofluorobenzene | 47.05 | 50.00 | ug/L | 94% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1238959** | **Batch:** | **365910** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238959 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 03/14/25 | 03/14/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 03/14/25 | 03/14/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/14/25 | 03/14/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 03/14/25 | 03/14/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Acetone | ND | | ug/L | 100 | 17 | 03/14/25 | 03/14/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 03/14/25 | 03/14/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 03/14/25 | 03/14/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| Chloroform | 0.2 | J | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 03/14/25 | 03/14/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 03/14/25 | 03/14/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 03/14/25 | 03/14/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/14/25 | 03/14/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |

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# Batch QC

| QC1238959 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 03/14/25 | 03/14/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 03/14/25 | 03/14/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 03/14/25 | 03/14/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 03/14/25 | 03/14/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 03/14/25 | 03/14/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/14/25 | 03/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 03/14/25 | 03/14/25 |
| 1,2-Dichloroethane-d4 | 113% | | %REC | 70-130 | | 03/14/25 | 03/14/25 |
| Toluene-d8 | 101% | | %REC | 70-130 | | 03/14/25 | 03/14/25 |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 03/14/25 | 03/14/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1239029** | **Batch:** | **365910** |
| **Matrix (Source ID):** | **Water (528029-001)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1239029 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 24.29 | ND | 20.00 | ug/L | 121% | | 70-130 | 1 |
| MTBE | 21.75 | ND | 20.00 | ug/L | 109% | | 75-130 | 1 |
| Benzene | 20.06 | 0.1201 | 20.00 | ug/L | 100% | | 70-130 | 1 |
| Trichloroethene | 21.72 | ND | 20.00 | ug/L | 109% | | 63-130 | 1 |
| Toluene | 21.08 | ND | 20.00 | ug/L | 105% | | 70-130 | 1 |
| Chlorobenzene | 22.27 | ND | 20.00 | ug/L | 111% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.23 | | 50.00 | ug/L | 106% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 57.50 | | 50.00 | ug/L | 115% | | 70-130 | 1 |
| Toluene-d8 | 48.99 | | 50.00 | ug/L | 98% | | 70-130 | 1 |
| Bromofluorobenzene | 47.73 | | 50.00 | ug/L | 95% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239030 | Batch: | 365910 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528029-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1239030 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 20.22 | ND | 20.00 | ug/L | 101% | | 70-130 | 18 | 30 | 1 |
| MTBE | 18.03 | ND | 20.00 | ug/L | 90% | | 75-130 | 19 | 30 | 1 |
| Benzene | 16.25 | 0.1201 | 20.00 | ug/L | 81% | | 70-130 | 21 | 30 | 1 |
| Trichloroethene | 18.03 | ND | 20.00 | ug/L | 90% | | 63-130 | 19 | 30 | 1 |
| Toluene | 16.91 | ND | 20.00 | ug/L | 85% | | 70-130 | 22 | 30 | 1 |
| Chlorobenzene | 17.97 | ND | 20.00 | ug/L | 90% | | 70-130 | 21 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 50.36 | | 50.00 | ug/L | 101% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 55.71 | | 50.00 | ug/L | 111% | | 70-130 | | | 1 |
| Toluene-d8 | 50.05 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| Bromofluorobenzene | 50.80 | | 50.00 | ug/L | 102% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1236259 | Batch: | 365119 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1236259 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 03/06/25 | 03/08/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 97% | | %REC | 80-120 | | 03/06/25 | 03/08/25 |

| Type: | Lab Control Sample | Lab ID: | QC1236260 | Batch: | 365119 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1236260 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.679 | 10.00 | ug/L | 87% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.930 | 10.00 | ug/L | 99% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1236261 | Batch: | 365119 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1236261 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.944 | 10.00 | ug/L | 89% | | 80-120 | 3 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.01 | 10.00 | ug/L | 100% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1236819 | Batch: | 365289 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1236819 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/08/25 | 03/08/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1236820 **Batch:** 365289
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1236820 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 0.9000 | 1.000 | mg/L | 90% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1236821 **Batch:** 365289
**Matrix (Source ID):** Water (528029-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1236821 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1236822 **Batch:** 365289
**Matrix (Source ID):** Water (528029-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1236822 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1237895 **Batch:** 365597
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1237895 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 03/11/25 | 03/12/25 |

**Type:** Lab Control Sample **Lab ID:** QC1237896 **Batch:** 365597
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1237896 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 22.79 | 25.00 | mg/L | 91% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1237897 **Batch:** 365597
**Matrix (Source ID):** Water (527813-006) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1237897 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 33.28 | 5.541 | 25.00 | mg/L | 111% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1237898 **Batch:** 365597
**Matrix (Source ID):** Water (527813-006) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1237898 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 28.56 | 5.541 | 25.00 | mg/L | 92% | | 75-125 | 15 | 25 | 1 |

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# Batch QC

| Type: Sample Duplicate | Lab ID: QC1236300 | Batch: 365155 |
|---|---|---|
| Matrix (Source ID): Water (527991-001) | Method: SM2130B | |

| QC1236300 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Turbidity | 4.170 | 4.130 | NTU | | 1 | 20 | 1 |

| Type: Blank | Lab ID: QC1237498 | Batch: 365475 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1237498 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Bicarbonate | ND | | mg/L | 2.0 | | 03/10/25 | 03/10/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 03/10/25 | 03/10/25 |

| Type: Lab Control Sample | Lab ID: QC1237499 | Batch: 365475 |
|---|---|---|
| Matrix: Water | Method: SM2320B | Prep Method: METHOD |

| QC1237499 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 925.3 | 1000 | mg/L | 93% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1237833 | Batch: 365475 |
|---|---|---|
| Matrix (Source ID): Water (528202-002) | Method: SM2320B | Prep Method: METHOD |

| QC1237833 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Bicarbonate | ND | ND | mg/L | | | 20 | 0.5 |
| Alkalinity, Total as CaCO3 | ND | ND | mg/L | | | 20 | 0.5 |

| Type: Sample Duplicate | Lab ID: QC1237929 | Batch: 365607 |
|---|---|---|
| Matrix (Source ID): Water (528029-001) | Method: SM2510B | Prep Method: METHOD |

| QC1237929 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 333.4 | 328.1 | umhos/cm | | 2 | 20 | 1 |

| Type: Blank | Lab ID: QC1237917 | Batch: 365604 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2540C | Prep Method: METHOD |

| QC1237917 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 10 | | 03/11/25 | 03/13/25 |

| Type: Lab Control Sample | Lab ID: QC1237919 | Batch: 365604 |
|---|---|---|
| Matrix: Drinking Water | Method: SM2540C | Prep Method: METHOD |

| QC1237919 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 931.0 | 1000 | mg/L | 93% | | 90-110 |

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# Batch QC

| Type: | Sample Duplicate | Lab ID: | QC1237920 | Batch: | 365604 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528155-007) | Method: | SM2540C | Prep Method: | METHOD |

| QC1237920 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 3,628 | 3780 | mg/L | | 4 | 5 | 4 |

| Type: | Sample Duplicate | Lab ID: | QC1237922 | Batch: | 365604 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528029-002) | Method: | SM2540C | Prep Method: | METHOD |

| QC1237922 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,135 | 1310 | mg/L | | 14* | 5 | 5 |

| Type: | Blank | Lab ID: | QC1238776 | Batch: | 365861 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM5220D | Prep Method: | METHOD |

| QC1238776 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 03/13/25 | 03/14/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238777 | Batch: | 365861 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM5220D | Prep Method: | METHOD |

| QC1238777 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 982.0 | 1000 | mg/L | 98% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1238831 | Batch: | 365861 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527960-001) | Method: | SM5220D | Prep Method: | METHOD |

| QC1238831 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,042 | 88.00 | 1000 | mg/L | 95% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238832 | Batch: | 365861 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527960-001) | Method: | SM5220D | Prep Method: | METHOD |

| QC1238832 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,084 | 88.00 | 1000 | mg/L | 100% | | 75-125 | 4 | 20 | 2 |

* Value is outside QC limits

E Response exceeds instrument's linear range

J Estimated value

ND Not Detected

NM Not Meaningful

**Laboratory Job Number 528029**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2503374

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-528029

**Project Location:**
**Project Received:** 03/07/2025

Analytical Report reviewed & approved for release on 03/13/2025 by:

Ana Venegas
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503374

**Project:** EO-528029

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503374

**Project:** EO-528029

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| b1 | Aqueous sample that contains greater than ~1 vol. % sediment |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503374 |
| **Date Received:** | 03/07/2025 10:00 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/12/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-528029 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH | 2503374-001A | Water | 03/05/2025 10:40 | GC26 0312250904.D | 313136 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **300** | 50 | 50 | 1 | 03/12/2025 12:47 |

Analyst(s): PRE  Analytical Comments: b1

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| EAST | 2503374-002A | Water | 03/05/2025 11:00 | GC26 0312250905.D | 313136 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1000** | 50 | 50 | 1 | 03/12/2025 13:02 |

Analyst(s): PRE  Analytical Comments: b1

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503374 |
| **Date Prepared:** | 03/12/2025 | **BatchID:** | 313136 |
| **Date Analyzed:** | 03/12/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528029 | **Sample ID:** | MB/LCS/LCSD-313136 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 150 | 180 | 187.2 | 82 | 98 | 70-130 | 17.5 | 30 |

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(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503374** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party:
PO: 054515
Project: EO-528029

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT:** **5 days;**

*Date Received:* **03/07/2025**
*Date Logged:* **03/07/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503374-001 | SOUTH | Water | 3/5/2025 10:40 | ☐ | A | A | | | | | | | | | | |
| 2503374-002 | EAST | Water | 3/5/2025 11:00 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Gemma Gomez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-528029
**Comments**

**Work Order:** 2503374
**QC Level:** LEVEL 2
**Date Logged:** 3/7/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/5/2025 10:40 | 5 days | 3/14/2025 | 1%+ | ☐ | ☐ |
| 002A | EAST | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/5/2025 11:00 | 5 days | 3/14/2025 | 1%+ | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

25033374

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-528029
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH | 05-MAR-2025 10:40 | 528029-001 | 2 | Water | RSK-175 CO2 | |
| EAST | 05-MAR-2025 11:00 | 528029-002 | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Whittington EA-ORA | |
| | Date: 3/6/25 1800 | Date: 3/7/25 1000 |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1 of 1

gls 562727468

0.2 wet

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# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-528029

Date and Time Received: 3/7/2025 10:00
Date Logged: 3/7/2025
Received by: Gemma Gomez
Logged by: Gemma Gomez

WorkOrder №: 2503374 Matrix: Water
Carrier: Golden State Overnight

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☐ | No ☐ | NA ☑ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | NA ☐ |
| Custody seals intact on sample bottles? | Yes ☑ | No ☐ | NA ☐ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 0.2°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☑ | No ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528030
Report Level : II
Report Date : 03/20/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - SUBCHAPTER N - Chiquita Canyon Landfill - Subchapter N

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Kate Logan<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 528030<br>SW - SUBCHAPTER N<br>Chiquita Canyon Landfill - Subchapter N<br>03/05/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 528030-001 | 03/05/25 10:40 | Water |
| SOUTH BASIN - EASTERN INLET | 528030-002 | 03/05/25 11:00 | Water |
| TRIP BLANK | 528030-003 | 03/05/25 00:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528030<br>Project No: SW - SUBCHAPTER N<br>Location: Chiquita Canyon Landfill - Subchapter N<br>Date Received: 03/05/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/05/25. The samples were received cold and intact. All discrepancies listed on the attached Login Checklist and the attached email were addressed by CTEH Field staff by phone - including, use of full sample location names, e.g., South Basin - Eastern Inlet, and that the sample collection times listed on the COC are correct. Headspace was noted in some of the VOA vials, but there are vials without headspace that can/will be used for analysis. See the email attached to the COC.

**Semivolatile Organics by GC/MS (EPA 625.1):**

- SOUTH BASIN - EASTERN INLET (lab # 528030-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

**Metals (EPA 200.8):**

- Low recoveries were observed for arsenic and chromium in the MS/MSD for batch 365105; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

**Biochemical Oxygen Demand (SM5210B):**

No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**

No analytical problems were encountered.

SWT Civil & Environmental ENGINEERING

Login 528030

FGL

# Chain of Custody

Pg 2 of 4

| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |

Additionally Report To

tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910
stormwater@wasteconnections.com

Sampler Name: Scott Toub, Caleb Heicyb

Project Information

Project ID: Chiquita Canyon Landfill - Subchapter N

Project Number:

TAT: Standard (10 Days) ● | Rush (___ Days / Hours) ○

IR 11

15.4

*Excluding parameters sampled as part of IGP analysis

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Container: Poly | Container: Glass | Container: Sleeve | Container: Other | Preservative: HCl | Preservative: HNO3 | Preservative: H2SO4 | Preservative: Other | Preservative: None | Matrix: Water | Matrix: Soil | Matrix: Other | Total Number of Containers per Sample ID | BOD (SM 5210B) | Ammonia (as Nitrogen) (SM 2540-D) | α - Terpineol (USEPA 8270) | Benzoic Acid (USEPA 625) | Naphthalene (USEPA 625) | p-Cresol (USEPA 625) | Phenol (USEPA 625) | Pyridine (USEPA 625) | Arsenic (USEPA 200.8) | Chromium (USEPA 200.7/200.8) | Zinc (USEPA 200.8) | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH Basin- Western Inlet | 3/5 | 1040 | | X | X | | X | X | X | X | X | X | X | | | 5 | X | X | X | X | X | X | X | X | X | X | X | Field pH: 8.72 |
| SOUTH Basin- Eastern Inlet | 3/5 | 1100 | | X | X | | X | X | X | X | X | X | X | | | 5 | X | X | X | X | X | X | X | X | X | X | X | Field pH: 8.53 |

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| | Hansen | 3/5/25 | 5:00pm |

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time. | Mileage. | Misc. Supplies.

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/5/25 WO# 528030 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☑ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

3,5,25 HXD

Date Opened 3/5/25 By (initials) HXD Type of ice used: HXD 3,5,25 ■ Wet ☐ Blue/Gel ☑ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 19 CF: +0.1

Cooler Temp (°C) #1: 15.3 / 15.4 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | | X | |
| 7) Does the container count match the CoC? 3/6/25 | ~~X~~ | X | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.6 - SAMPLING TIME DISCREPANCY - 1040 FOR -001 AND 1100 FOR -002 PER COC, 1100 FOR -001 AND 1130 FOR -002 PER LABEL

4.7 - RECEIVED 4 CONTAINERS PER SAMPLE, COC LISTED AS 5 CONTAINERS.

☐ **No additional discrepancies**

**Date Logged** 3/5/25 **By (print)** ABD **(sign)** _____

**Date Labeled** 3/5/25 **By (print)** orange EA **(sign)** _____

Outlook

## Fw: Waste Connections LR# 528029, 528030, 528031, 528033

**From** David Tripp <david.tripp@enthalpy.com>
**Date** Thu 3/6/2025 11:49 AM
**To** Scott Toups <sctoups@montrose-env.com>; Elbie Cannon <ecannon@montrose-env.com>

1 attachment (3 MB)
3-5-25 storm water samples.pdf;

Hello Guys - discrepancies between bottle labels and COC noted in the email from our Login Group below. My comments added to help answer the discrepancies. Please reply accordingly as soon as you can. Some of these discrepancies will carry over to our subcontract COCs - and we need to follow up with the Sub-Labs ASAP to ensure they have accurate sample time and ID information so our data is aligned for reporting.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
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---

**From:** Fernando Diwa <fernando.diwa@enthalpy.com>
**Sent:** Thursday, March 6, 2025 11:26 AM
**To:** Zach Barker <Zach.barker@enthalpy.com>
**Cc:** David Tripp <david.tripp@enthalpy.com>; Sample Receiving Group Orange <srloginorange@enthalpy.com>; Jocelyn Nguyen <JocelynNguyen@enthalpy.com>
**Subject:** Waste Connections LR# 528029, 528030, 528031, 528033

Hi Zach,

Please review the login for these jobs. The following discrepancies were noted on the following:

1. All samples for all LRs have collection time @1100 for South Basin - Western Inlet and @1130 for South Basin - Eastern Inlet, coc listed as @1040 for Western Inlet and @1100 for Eastern Inlet. Which are correct - sample bottles or COC?

2. Sample ID discrepancy  for LR #528029 - SOUTH for -001 and EAST for -002 per coc, South Basin - Western Inlet and  South Basin - Eastern Inlet per label. Discrepancy on sampling time as

mentioned on item no. 1. Shall we be consistent in naming samples (3 of 4 COCs, and all bottles using the longer IDs)?

3. Received 4 containers each for LR # 528030, coc listed as 5 containers. Will let you all know if we run into any problems with sample volume for testing.

4. Received 16 containers for LR #528033, coc listed as 17 containers. Will let you all know if we run into any problems with sample volume for testing.

5. Headspace >6 mm in 3/5 vials of 528033-002 and 1/5 vials of 528029-002. Will comment in the case narrative if and as necessary.

Also, please let us know when the sub-coc for 528029 and 528033 are ready.

Regards,

Fernando Diwa
Technician III
Enthalpy Analytical
Orange, CA | US Pacific Time
Office: +1-714-771-6900 x 10310
fernando.diwa@enthalpy.com | enthalpy.com

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Outlook

## Re: [External] Re: 3-5-25 Storm Water COC

**From** Elbie Cannon <ecannon@cteh.com>
**Date** Wed 3/5/2025 6:02 PM
**To** David Tripp <david.tripp@enthalpy.com>; Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc** Elbie Cannon <ecannon@montrose-env.com>

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Good to proceed with analysis.

Elbie Cannon
Emergency Response Consultant
CTEH, LLC
Cell: +1-501-269-8844

---

**From:** David Tripp <david.tripp@enthalpy.com>
**Sent:** Wednesday, March 5, 2025 7:15:49 PM
**To:** Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** [External] Re: 3-5-25 Storm Water COC

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Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710

david.tripp@enthalpy.com | enthalpy.com
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**From:** Scott Toups <sctoups@montrose-env.com>
**Sent:** Wednesday, March 5, 2025 1:11 PM
**To:** David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

---

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Outlook

## Re: [External] - Re: 3-5-25 Storm Water COC

**From** David Tripp <david.tripp@enthalpy.com>
**Date** Wed 3/5/2025 5:57 PM
**To** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Cc** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>

Hello Matt - the same day collected/received requirement is met for over temp sample. It's the '*evidence of cooling'* requirement that was not met (was not received on ice).

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
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**From:** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Sent:** Wednesday, March 5, 2025 5:52 PM
**To:** David Tripp <david.tripp@enthalpy.com>
**Cc:** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>
**Subject:** [External] - Re: 3-5-25 Storm Water COC

This is the first time you received an email from this sender (Matt.Breuer@WasteConnections.com). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi David - These were sampled today, correct? So no issue meeting requirements?

Thanks,

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

---

**From:** David Tripp <david.tripp@enthalpy.com>
**Sent:** Wednesday, March 5, 2025 5:16 PM
**To:** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>

**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** Re: 3-5-25 Storm Water COC

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This message came from outside your organization.
Report Suspicious

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
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**From:** Scott Toups <sctoups@montrose-env.com>
**Sent:** Wednesday, March 5, 2025 1:11 PM
**To:** David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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ENTHALPY ANALYTICAL

# Analysis Results for 528030

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528030
Project No: SW - SUBCHAPTER N
Location: Chiquita Canyon Landfill - Subchapter N
Date Received: 03/05/25

**Sample ID:** SOUTH BASIN - WESTERN INLET | **Lab ID:** 528030-001 | **Matrix:** Water | **Collected:** 03/05/25 10:40

| 528030-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Arsenic | **26** | | ug/L | 2.0 | 0.22 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Chromium | **80** | | ug/L | 5.0 | 0.34 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Zinc | **540** | | ug/L | 100 | 74 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.44** | | mg/L | 0.10 | 0.050 | 1 | 366264 | 03/18/25 | 03/19/25 | JAK |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Benzoic acid | **55** | J | ug/L | 200 | 25 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Pyridine | ND | | ug/L | 40 | 6.9 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Phenol | ND | | ug/L | 40 | 3.1 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Methylphenol | ND | | ug/L | 40 | 5.3 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 3-,4-Methylphenol | ND | | ug/L | 40 | 5.2 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Naphthalene | ND | | ug/L | 40 | 4.5 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Cresol | ND | | ug/L | 40 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:a-Terpineol | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 35% | | %REC | 10-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Phenol-d6 | 33% | | %REC | 10-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4,6-Tribromophenol | 70% | | %REC | 12-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Nitrobenzene-d5 | 42% | | %REC | 10-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Fluorobiphenyl | 39% | | %REC | 11-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Terphenyl-d14 | 64% | | %REC | 20-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **22** | | mg/L | 3.0 | | 1 | 365122 | 03/06/25 17:43 | 03/11/25 14:18 | AAB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528030

| Sample ID: | Lab ID: 528030-002 | Collected: 03/05/25 11:00 |
|---|---|---|
| SOUTH BASIN - EASTERN INLET | Matrix: Water | |

| 528030-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Arsenic | **61** | | ug/L | 20 | 2.2 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Chromium | **300** | | ug/L | 50 | 3.4 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Zinc | **2,400** | | ug/L | 100 | 74 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.87** | | mg/L | 0.10 | 0.050 | 1 | 366264 | 03/18/25 | 03/19/25 | JAK |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Benzoic acid | ND | | ug/L | 1,000 | 130 | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Pyridine | ND | | ug/L | 200 | 35 | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Phenol | ND | | ug/L | 200 | 15 | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Methylphenol | ND | | ug/L | 200 | 26 | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 3-,4-Methylphenol | ND | | ug/L | 200 | 26 | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Naphthalene | ND | | ug/L | 200 | 22 | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Cresol | ND | | ug/L | 200 | | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:a-Terpineol | ND | | ug/L | | | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 37% | | %REC | 10-140 | | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Phenol-d6 | 35% | | %REC | 10-140 | | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4,6-Tribromophenol | 37% | | %REC | 12-140 | | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Nitrobenzene-d5 | 39% | | %REC | 10-140 | | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Fluorobiphenyl | 39% | | %REC | 11-140 | | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Terphenyl-d14 | 44% | | %REC | 20-140 | | 20 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **9.5** | | mg/L | 3.0 | | 1 | 365122 | 03/06/25 17:43 | 03/11/25 14:18 | AAB |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

**Type: Blank** **Lab ID: QC1236114** **Batch: 365105**
**Matrix: Water** **Method: EPA 200.8** **Prep Method: EPA 3015A**

| QC1236114 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | ug/L | 2.0 | 0.22 | 03/06/25 | 03/06/25 |
| Chromium | ND | | ug/L | 5.0 | 0.34 | 03/06/25 | 03/06/25 |
| Zinc | ND | | ug/L | 10 | 7.4 | 03/06/25 | 03/06/25 |

**Type: Lab Control Sample** **Lab ID: QC1236115** **Batch: 365105**
**Matrix: Water** **Method: EPA 200.8** **Prep Method: EPA 3015A**

| QC1236115 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Arsenic | 100.3 | 100.0 | ug/L | 100% | | 85-115 |
| Chromium | 104.1 | 100.0 | ug/L | 104% | | 85-115 |

**Type: Matrix Spike** **Lab ID: QC1236116** **Batch: 365105**
**Matrix (Source ID): Water (528033-002)** **Method: EPA 200.8** **Prep Method: EPA 3015A**

| QC1236116 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 94.40 | 60.12 | 100.0 | ug/L | 34% | * | 70-130 | 10 |
| Chromium | 421.2 | 357.1 | 100.0 | ug/L | 64% | * | 70-130 | 10 |

**Type: Matrix Spike Duplicate** **Lab ID: QC1236117** **Batch: 365105**
**Matrix (Source ID): Water (528033-002)** **Method: EPA 200.8** **Prep Method: EPA 3015A**

| QC1236117 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 106.2 | 60.12 | 100.0 | ug/L | 46% | * | 70-130 | 12 | 20 | 10 |
| Chromium | 392.2 | 357.1 | 100.0 | ug/L | 35% | * | 70-130 | 7 | 20 | 10 |

**Type: Lab Control Sample** **Lab ID: QC1240143** **Batch: 366264**
**Matrix: Water** **Method: EPA 350.1** **Prep Method: METHOD**

| QC1240143 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.020 | 1.000 | mg/L | 102% | | 90-110 |

**Type: Blank** **Lab ID: QC1240144** **Batch: 366264**
**Matrix: Water** **Method: EPA 350.1** **Prep Method: METHOD**

| QC1240144 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 03/18/25 | 03/19/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1240266 | Batch: | 366264 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Drinking Water (528142-001) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1240266 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.282 | 0.2637 | 1.000 | mg/L | 102% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1240267 | Batch: | 366264 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Drinking Water (528142-001) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1240267 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.287 | 0.2637 | 1.000 | mg/L | 102% | | 90-110 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1236402 | Batch: | 365181 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 625.1 | Prep Method: | EPA 3510C |

| QC1236402 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Benzoic acid | ND | | ug/L | 50 | 6.3 | 03/07/25 | 03/07/25 |
| Pyridine | ND | | ug/L | 10 | 1.7 | 03/07/25 | 03/07/25 |
| Phenol | ND | | ug/L | 10 | 0.77 | 03/07/25 | 03/07/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| Naphthalene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| Cresol | ND | | ug/L | 10 | | 03/07/25 | 03/07/25 |
| TIC:a-Terpineol | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 40% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| Phenol-d6 | 25% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| 2,4,6-Tribromophenol | 51% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| Nitrobenzene-d5 | 59% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| 2-Fluorobiphenyl | 53% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| Terphenyl-d14 | 66% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |

| Type: | Lab Control Sample | Lab ID: | QC1236403 | Batch: | 365181 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 625.1 | Prep Method: | EPA 3510C |

| QC1236403 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 22.69 | 75.00 | ug/L | 30% | | 13-120 |
| 3-,4-Methylphenol | 45.48 | 75.00 | ug/L | 61% | | 29-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 16.86 | 40.00 | ug/L | 42% | | 20-140 |
| Phenol-d6 | 11.19 | 40.00 | ug/L | 28% | | 20-140 |
| 2,4,6-Tribromophenol | 28.91 | 40.00 | ug/L | 72% | | 20-140 |
| Nitrobenzene-d5 | 28.08 | 40.00 | ug/L | 70% | | 20-140 |
| 2-Fluorobiphenyl | 24.14 | 40.00 | ug/L | 60% | | 20-140 |
| Terphenyl-d14 | 27.11 | 40.00 | ug/L | 68% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1236404** | **Batch:** | **365181** |
| **Matrix:** | **Water** | **Method:** | **EPA 625.1** | **Prep Method:** | **EPA 3510C** |

| QC1236404 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 22.36 | 75.00 | ug/L | 30% | | 13-120 | 1 | 62 |
| 3-,4-Methylphenol | 44.09 | 75.00 | ug/L | 59% | | 29-120 | 3 | 62 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 16.39 | 40.00 | ug/L | 41% | | 20-140 | | |
| Phenol-d6 | 11.28 | 40.00 | ug/L | 28% | | 20-140 | | |
| 2,4,6-Tribromophenol | 30.42 | 40.00 | ug/L | 76% | | 20-140 | | |
| Nitrobenzene-d5 | 28.13 | 40.00 | ug/L | 70% | | 20-140 | | |
| 2-Fluorobiphenyl | 24.83 | 40.00 | ug/L | 62% | | 20-140 | | |
| Terphenyl-d14 | 29.44 | 40.00 | ug/L | 74% | | 20-140 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1236186** | **Batch:** | **365122** |
| **Matrix:** | **Water** | **Method:** | **SM5210B** | **Prep Method:** | **METHOD** |

| QC1236186 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | mg/L | 3.0 | | 03/06/25 17:43 | 03/11/25 14:18 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1236187** | **Batch:** | **365122** |
| **Matrix:** | **Water** | **Method:** | **SM5210B** | **Prep Method:** | **METHOD** |

| QC1236187 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 205.4 | 198.0 | mg/L | 104% | | 84.6-115.4 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1236188** | **Batch:** | **365122** |
| **Matrix (Source ID):** | **Water (528013-001)** | **Method:** | **SM5210B** | **Prep Method:** | **METHOD** |

| QC1236188 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 517.0 | 398.5 | mg/L | | 26 | 30 | 1 |

* Value is outside QC limits
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528031
Report Level : II
Report Date : 03/19/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Chiquita Canyon Landfill - IGP

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 528031 |
| Project No: | SW - IGP |
| Location: | Chiquita Canyon Landfill - IGP |
| Date Received: | 03/05/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 528031-001 | 03/05/25 10:40 | Water |
| SOUTH BASIN - EASTERN INLET | 528031-002 | 03/05/25 11:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528031<br>Project No: SW - IGP<br>Location: Chiquita Canyon Landfill - IGP<br>Date Received: 03/05/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/05/25. The samples were received cold and intact. All discrepancies listed on the attached Login Checklist and the attached email were addressed by CTEH Field staff by phone - including, use of full sample location names, e.g., South Basin - Eastern Inlet, and that the sample collection times listed on the COC are correct. Headspace was noted in some of the VOA vials, but there are vials without headspace that can/will be used for analysis. See the email attached to the COC.

**Metals (EPA 200.7):**

- Iron was detected above the RL in the method blank for batch 365124; this analyte was detected in samples at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD for batch 365073; affected data was qualified with "E".
- No other analytical problems were encountered.

**Total Oil & Grease (HEM) (EPA 1664A):**

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

**Total Suspended Solids (TSS) (SM2540D):**
No analytical problems were encountered.

**Coliform - 9221 Tests (SM 9221B and SM 9221F):**
No analytical problems were encountered.

SWT ENGINEERING

Login 528031

# Chain of Custody

Pg 3 of 4

| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |

Additionally Report To: stormwater@wasteconnections.com; tmb@swteng.com / 909-390-1328; aav@swteng.com / 415-717-0910

Sampler Name: Scott Tomes; Caleb Hercyk

Project Information: Project ID: Chiquita Canyon Landfill - IGP; Project Number:

TAT: Standard (10 Days) ●; Rush (___ Days / Hours) ○

IR 11
~~15.3~~ 15.4
HD

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Container: Poly | Container: Glass | Container: Sleeve | Container: Other | Preservative: HCl | Preservative: HNO3 | Preservative: H2SO4 | Preservative: Other | Preservative: None | Matrix: Water | Matrix: Soil | Matrix: Other | Total Number of Containers per Sample ID | TSS (SM 2540-D) | O&G (EPA 1664A) | Fe (EPA 200.7) | Chloride (EPA 300.0) | Coliform Bacteria, Total (EPA 9221 B, C, or E) | E coli (SM 9221F) | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH Basin- Western Inlet | 3/5 | 1040 | | X | X | | X | X | X | | X | X | X | | | 6 | X | X | X | X | X | X | Field pH: 8.72 |
| SOUTH Basin- Eastern Inlet | 3/5 | 1100 | | X | X | | X | X | X | | X | X | X | | | 6 | X | X | X | X | X | X | Field pH: 8.55 |
| | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | |

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| | | 3/5/2025 | 5:00pm |
| | | | |
| | | | |
| | | | |
| | | | |

DDW Write On EDT Transmission? ○ Yes ● No

State System Number: _____

If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No

Global ID: Sampling Company Log Code:

EDF to (Email Address):

Travel and Site Time: Mileage: Misc. Supplies:

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/5/25 WO# 528031 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☑ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

3,5,25 HXD

Date Opened 3/5/25 By (initials) HXD Type of ice used: HXD 03,05,25 ■ Wet ☐ Blue/Gel ☑ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR 11 CF: +0.1

Cooler Temp (°C) #1: 15.3/15.4 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

3,5,25 HXD

**Section 3b: Microbiology Samples** ☐ **No microbiology samples submitted (skip 3b)**

■ Within temp range 0.0 - 10.0°C or received on ice directly from field.

■ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| Section 4: Containers / Labels / Samples | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | | X | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.6 - SAMPLING TIME DISCREPANCY - 1040 FOR -001 AND 1100 FOR -002 PER COC, 1100 FOR -001 AND 1130 FOR -002 PER LABEL.

☐ **No additional discrepancies**

**Date Logged** 3/5/25 **By (print)** ABD **(sign)** ABD

**Date Labeled** 3/5/25 **By (print)** orange EA **(sign)** _____

Outlook

## Fw: Waste Connections LR# 528029, 528030, 528031, 528033

**From** David Tripp <david.tripp@enthalpy.com>
**Date** Thu 3/6/2025 11:49 AM
**To** Scott Toups <sctoups@montrose-env.com>; Elbie Cannon <ecannon@montrose-env.com>

1 attachment (3 MB)
3-5-25 storm water samples.pdf;

Hello Guys - discrepancies between bottle labels and COC noted in the email from our Login Group below. My comments added to help answer the discrepancies. Please reply accordingly as soon as you can. Some of these discrepancies will carry over to our subcontract COCs - and we need to follow up with the Sub-Labs ASAP to ensure they have accurate sample time and ID information so our data is aligned for reporting.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
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---

**From:** Fernando Diwa <fernando.diwa@enthalpy.com>
**Sent:** Thursday, March 6, 2025 11:26 AM
**To:** Zach Barker <Zach.barker@enthalpy.com>
**Cc:** David Tripp <david.tripp@enthalpy.com>; Sample Receiving Group Orange <srloginorange@enthalpy.com>; Jocelyn Nguyen <JocelynNguyen@enthalpy.com>
**Subject:** Waste Connections LR# 528029, 528030, 528031, 528033

Hi Zach,

Please review the login for these jobs. The following discrepancies were noted on the following:

1. All samples for all LRs have collection time @1100 for South Basin - Western Inlet and @1130 for South Basin - Eastern Inlet, coc listed as @1040 for Western Inlet and @1100 for Eastern Inlet. Which are correct - sample bottles or COC?

2. Sample ID discrepancy  for LR #528029 - SOUTH for -001 and EAST for -002 per coc, South Basin - Western Inlet and  South Basin - Eastern Inlet per label. Discrepancy on sampling time as

mentioned on item no. 1. Shall we be consistent in naming samples (3 of 4 COCs, and all bottles using the longer IDs)?

3. Received 4 containers each for LR # 528030, coc listed as 5 containers. Will let you all know if we run into any problems with sample volume for testing.

4. Received 16 containers for LR #528033, coc listed as 17 containers. Will let you all know if we run into any problems with sample volume for testing.

5. Headspace >6 mm in 3/5 vials of 528033-002 and 1/5 vials of 528029-002. Will comment in the case narrative if and as necessary.

Also, please let us know when the sub-coc for 528029 and 528033 are ready.

Regards,

Fernando Diwa
Technician III
Enthalpy Analytical
Orange, CA | US Pacific Time
Office: +1-714-771-6900 x 10310
fernando.diwa@enthalpy.com | enthalpy.com

---

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Outlook

## Re: [External] Re: 3-5-25 Storm Water COC

**From** Elbie Cannon <ecannon@cteh.com>
**Date** Wed 3/5/2025 6:02 PM
**To** David Tripp <david.tripp@enthalpy.com>; Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc** Elbie Cannon <ecannon@montrose-env.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Good to proceed with analysis.

Elbie Cannon
Emergency Response Consultant
CTEH, LLC
Cell: +1-501-269-8844

---

**From:** David Tripp <david.tripp@enthalpy.com>
**Sent:** Wednesday, March 5, 2025 7:15:49 PM
**To:** Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** [External] Re: 3-5-25 Storm Water COC

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710

david.tripp@enthalpy.com | enthalpy.com
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---

**From:** Scott Toups <sctoups@montrose-env.com>
**Sent:** Wednesday, March 5, 2025 1:11 PM
**To:** David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

---

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---

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Outlook

## Re: [External] - Re: 3-5-25 Storm Water COC

**From** David Tripp <david.tripp@enthalpy.com>
**Date** Wed 3/5/2025 5:57 PM
**To** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Cc** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>

Hello Matt - the same day collected/received requirement is met for over temp sample. It's the '*evidence of cooling'* requirement that was not met (was not received on ice).

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

---

**From:** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Sent:** Wednesday, March 5, 2025 5:52 PM
**To:** David Tripp <david.tripp@enthalpy.com>
**Cc:** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>
**Subject:** [External] - Re: 3-5-25 Storm Water COC

This is the first time you received an email from this sender (Matt.Breuer@WasteConnections.com). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi David - These were sampled today, correct? So no issue meeting requirements?

Thanks,

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

---

**From:** David Tripp <david.tripp@enthalpy.com>
**Sent:** Wednesday, March 5, 2025 5:16 PM
**To:** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>

**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** Re: 3-5-25 Storm Water COC

**This Message Is From an External Sender**
This message came from outside your organization.
Report Suspicious

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
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---

**From:** Scott Toups <sctoups@montrose-env.com>
**Sent:** Wednesday, March 5, 2025 1:11 PM
**To:** David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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ENTHALPY ANALYTICAL

# Analysis Results for 528031

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528031
Project No: SW - IGP
Location: Chiquita Canyon Landfill - IGP
Date Received: 03/05/25

**Sample ID:** SOUTH BASIN - WESTERN INLET | **Lab ID:** 528031-001 | **Matrix:** Water | **Collected:** 03/05/25 10:40

| 528031-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | **6.1** | | mg/L | 4.8 | 2.0 | 0.95 | 365784 | 03/13/25 | 03/16/25 | CKN |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **36** | | mg/L | 0.046 | 0.046 | 1 | 365124 | 03/06/25 | 03/07/25 | CAP |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **15** | | mg/L | 1.0 | 0.27 | 1 | 365073 | 03/06/25 11:30 | 03/07/25 07:26 | JAA |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 365093 | 03/05/25 17:54 | 03/07/25 15:46 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **1,600** | | MPN/100ml | 1.8 | | 1 | 365093 | 03/05/25 17:54 | 03/07/25 15:46 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **2,000** | | mg/L | 0.5 | | 1 | 365515 | 03/11/25 | 03/11/25 | DXA |

**Sample ID:** SOUTH BASIN - EASTERN INLET | **Lab ID:** 528031-002 | **Matrix:** Water | **Collected:** 03/05/25 11:00

| 528031-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | **13** | | mg/L | 4.8 | 2.0 | 0.95 | 365784 | 03/13/25 | 03/16/25 | CKN |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **110** | | mg/L | 0.46 | 0.46 | 10 | 365124 | 03/06/25 | 03/08/25 | CAP |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **35** | | mg/L | 1.0 | 0.27 | 1 | 365073 | 03/06/25 11:30 | 03/07/25 08:08 | JAA |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 365093 | 03/05/25 17:54 | 03/07/25 15:46 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **350** | | MPN/100ml | 1.8 | | 1 | 365093 | 03/05/25 17:54 | 03/07/25 15:46 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **10,000** | | mg/L | 0.5 | | 1 | 365515 | 03/11/25 | 03/11/25 | DXA |

> Value exceeds indicated concentration

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528031



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1239352 | Batch: 365784 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1239352 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Oil and Grease | ND | | mg/L | 5.0 | 2.1 | 03/13/25 | 03/16/25 |

| Type: Lab Control Sample | Lab ID: QC1239353 | Batch: 365784 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1239353 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Oil and Grease | 36.20 | 40.00 | mg/L | 91% | | 78-114 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1239354 | Batch: 365784 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1239354 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Oil and Grease | 36.30 | 40.00 | mg/L | 91% | | 78-114 | 0 | 18 |

| Type: Blank | Lab ID: QC1236176 | Batch: 365124 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1236176 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Iron | 0.072 | | mg/L | 0.046 | 0.046 | 03/06/25 | 03/07/25 |

| Type: Lab Control Sample | Lab ID: QC1236177 | Batch: 365124 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1236177 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Iron | 0.4122 | 0.4000 | mg/L | 103% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1236178 | Batch: 365124 |
|---|---|---|
| Matrix (Source ID): Water (528126-005) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1236178 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 10.52 | 10.17 | 0.4000 | mg/L | 86% | NM | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1236179 | Batch: 365124 |
|---|---|---|
| Matrix (Source ID): Water (528126-005) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1236179 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 10.54 | 10.17 | 0.4000 | mg/L | 91% | NM | 75-125 | 0 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Serial Dilution** | **Lab ID:** | **QC1236273** | **Batch:** | **365124** |
| **Matrix (Source ID):** | **Water (528126-005)** | **Method:** | **EPA 200.7** | **Prep Method:** | **EPA 3015A** |

| QC1236273 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Iron | 10.46 | 10.17 | mg/L | | | | 5 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1236018** | **Batch:** | **365073** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236018 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 03/06/25 11:30 | 03/06/25 15:25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1236019** | **Batch:** | **365073** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236019 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 47.06 | 50.00 | mg/L | 94% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1236020** | **Batch:** | **365073** |
| **Matrix (Source ID):** | **Drinking Water (528085-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236020 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 338.2 | 243.6 | 100.0 | mg/L | 95% | E | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1236021** | **Batch:** | **365073** |
| **Matrix (Source ID):** | **Drinking Water (528085-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236021 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 340.0 | 243.6 | 100.0 | mg/L | 96% | E | 80-120 | | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1236023** | **Batch:** | **365073** |
| **Matrix (Source ID):** | **Drinking Water (528088-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236023 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 111.0 | 9.608 | 100.0 | mg/L | 101% | | 80-120 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1236024** | **Batch:** | **365073** |
| **Matrix (Source ID):** | **Drinking Water (528088-002)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1236024 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 114.8 | 9.608 | 100.0 | mg/L | 105% | | 80-120 | 3 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1237646** | **Batch:** | **365515** |
| **Matrix:** | **Water** | **Method:** | **SM2540D** | **Prep Method:** | **METHOD** |

| QC1237646 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | mg/L | 0.5 | | 03/11/25 | 03/11/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1237647** | **Batch:** | **365515** |
| **Matrix:** | **Water** | **Method:** | **SM2540D** | **Prep Method:** | **METHOD** |

| QC1237647 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Suspended Solids | 97.85 | 100.0 | mg/L | 98% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1237648** | **Batch:** | **365515** |
| **Matrix:** | **Water** | **Method:** | **SM2540D** | **Prep Method:** | **METHOD** |

| QC1237648 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 99.20 | 100.0 | mg/L | 99% | | 90-110 | 1 | 5 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1237649** | **Batch:** | **365515** |
| **Matrix (Source ID):** | **Water (528109-001)** | **Method:** | **SM2540D** | **Prep Method:** | **METHOD** |

| QC1237649 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 72.50 | 69.50 | mg/L | | 4 | 5 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1237650** | **Batch:** | **365515** |
| **Matrix (Source ID):** | **Water (528109-003)** | **Method:** | **SM2540D** | **Prep Method:** | **METHOD** |

| QC1237650 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 52.00 | 53.00 | mg/L | | 2 | 5 | 1 |

| | |
|---|---|
| E | Response exceeds instrument's linear range |
| ND | Not Detected |
| NM | Not Meaningful |

Enthalpy Analytical
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Orange, CA 92868
(714) 771-6900

enthalpy.com

| | | |
|---|---|---|
| Lab Job Number | : | 528033 |
| Report Level | : | II |
| Report Date | : | 03/24/2025 |
| **Revision** | : | **1 (See narrative)** |

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - Chiquita Canyon Landfill - Appendix II Parameters

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Kate Logan<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Project No:<br>Location:<br><br>Date Received: | 528033<br>SW - APPENDIX II<br>Chiquita Canyon Landfill - Appendix II Parameters<br>03/05/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 528033-001 | 03/05/25 10:40 | Water |
| SOUTH BASIN - EASTERN INLET | 528033-002 | 03/05/25 11:00 | Water |
| TRIP BLANK | 528033-003 | 03/05/25 00:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528033<br>Project No: SW - APPENDIX II<br>Location: Chiquita Canyon Landfill - Appendix II Parameters<br>Date Received: 03/05/25 |

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/05/25. The samples were received cold and intact. All discrepancies listed on the attached Login Checklist and the attached email were addressed by CTEH Field staff by phone - including, use of full sample location names, e.g., South Basin - Eastern Inlet, and that the sample collection times listed on the COC are correct. Headspace was noted in some of the VOA vials, but there are vials without headspace that can/will be used for analysis. See the email attached to the COC.
- This report was revised on 03/24/25 to include subcontracted 8141 and 8290 data.

**Volatile Organics by GC/MS (EPA 8260B):**

- SOUTH BASIN - WESTERN INLET (lab # 528033-001) and SOUTH BASIN - EASTERN INLET (lab # 528033-002) had pH greater than 2.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS (EPA 8270C):**

- Bis(2-ethylhexyl)phthalate was detected between the MDL and the RL in the method blank for batch 365181; this analyte was not detected in samples at or above the RL.
- SOUTH BASIN - EASTERN INLET (lab # 528033-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**

- SOUTH BASIN - EASTERN INLET (lab # 528033-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

**Pesticides (EPA 8081A):**

- SOUTH BASIN - EASTERN INLET (lab # 528033-002) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

**PCBs (EPA 8082):**

- SOUTH BASIN - EASTERN INLET (lab # 528033-002) was treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- SOUTH BASIN - EASTERN INLET (lab # 528033-002) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

**Metals (EPA 200.8 and EPA 245.1):**

- High response was observed for antimony in the ICV analyzed 03/06/25 12:33; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- High response was observed for antimony in the CCV analyzed 03/06/25 18:16; affected data was qualified with "b".
- High recovery was observed for antimony in the LCS for batch 365105; this analyte was not detected at or above the RL in the associated samples.
- Low recoveries were observed for many analytes in the MS/MSD of SOUTH BASIN - EASTERN INLET (lab # 528033-002); the associated RPDs were within limits.
- Tin was detected between the MDL and the RL in the method blank for batch 365105; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

**Total Phenolics (EPA 420.1):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):**
No analytical problems were encountered.

**Organophosphorus Pesticides (EPA 8141A):**
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

**8151A Chlorinated Herbicides (EPA 8151A):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

**Dioxins & Furans (EPA 8290):**
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

Login 528033

# Chain of Custody

Pg 4 of 4

| Report To | Invoice To |
|---|---|
| Company: Chiquita Canyon Landfill | Contact: Chiquita Canyon Landfill |
| Attn: Kate Logan | Attn: Maribel Bolanos |
| Phone/Fax: 682-559-3880 | Address: 29201 Henry Mayo Dr. Castaic, CA 91384 |
| Email Address: Kate.Logan@WasteConnections.com | Phone/Fax: (661) 257-3655 |

Additionally Report To:
stormwater@wasteconnections.com
tmb@swteng.com / 909-390-1328
aav@swteng.com / 415-717-0910

Sampler Name: Scott Tangs, Caleb Hc/cyb

Project Information
Project ID: Chiquita Canyon Landfill - Appendix II Parameters
Project Number:

TAT: Standard (10 Days) ● / Rush (___ Days / Hours) ○

IR 11
15.4

| Sample Identification | Sample Collection Date | Sample Collection Time | Container: 40ml Vial | Poly | Glass | Sleeve | Other | Preservative: HCl | HNO3 | H2SO4 | Other | None | Matrix: Water | Soil | Other | Total Number of Containers per Sample ID | Analysis Request: 8260 Appendix II* | 8270 Appendix II* | 8081-8082* | 8141A* | 8151A* | Metals, Total** | Total Cyanide | Total Phenols, Sulfides | 8290 2378TCDD | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH Basin- Western Inlet | 3/5 | 1040 | | | | | | | | | | | | | | 1 | X | X | X | X | X | X | X | X | X | | | Field pH: 8,72 |
| SOUTH Basin- Eastern Inlet | 3/5 | 1100 | | | | | | | | | | | | | | 1 | X | X | X | X | X | X | X | X | X | | | Field pH: 8,55 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Special Requirments/Billing Info:
*Report only the compounds on the 40CFR258 Appx II list
** Metals; Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Hg, Ni, Se, Ag, Tl, Sn, V, Zn

| Relinquished by | Received by | Date | Time |
|---|---|---|---|
| | | 3/5/2025 | 5:00pm |
| | | | |
| | | | |
| | | | |
| | | | |

DDW Write On EDT Transmission? ○ Yes ● No
State System Number: _____
If "Y" please enter the Source Number(s) in the column above

CA Geotracker EDF Report? ○ Yes ● No
Global ID: Sampling Company Log Code:
EDF to (Email Address):

| Travel and Site Time: | Mileage: | Misc. Supplies: |
|---|---|---|
| | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/5/25 WO# 528033 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☑ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

03,05,25 HXD

Date Opened 3/5/25 By (initials) HXD Type of ice used: HXD - 03,05,25 ■ Wet ☐ Blue/Gel ☑ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 15.3 / 15.4 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| Section 4: Containers / Labels / Samples | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | | X | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | | X | |
| 7) Does the container count match the CoC? 3 R/M | ~~X~~ | X | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | X | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.1: Matrix and preservative are not filled out.

4.6 – SAMPLING TIME DISCREPANCY – 1040 FOR -001 AND 1100 FOR -002 PER COC, 1100 FOR -001 AND 1130 PER LABEL

4.7 – RECEIVED 16 CONTAINERS PER SAMPLE, COC LISTED 17 CONTAINERS.

4.13 – HEADSPACE >6mm IN 3/17 VIALS OF SAMPLE-002.

☐ **No additional discrepancies**

**Date Logged** 3/5/25 **By (print)** ABD **(sign)** [signature]

**Date Labeled** 3/5/25 **By (print)** orange EA **(sign)** _____

Outlook

## Fw: Waste Connections LR# 528029, 528030, 528031, 528033

**From** David Tripp <david.tripp@enthalpy.com>
**Date** Thu 3/6/2025 11:49 AM
**To** Scott Toups <sctoups@montrose-env.com>; Elbie Cannon <ecannon@montrose-env.com>

1 attachment (3 MB)
3-5-25 storm water samples.pdf;

Hello Guys - discrepancies between bottle labels and COC noted in the email from our Login Group below. My comments added to help answer the discrepancies. Please reply accordingly as soon as you can. Some of these discrepancies will carry over to our subcontract COCs - and we need to follow up with the Sub-Labs ASAP to ensure they have accurate sample time and ID information so our data is aligned for reporting.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
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**From:** Fernando Diwa <fernando.diwa@enthalpy.com>
**Sent:** Thursday, March 6, 2025 11:26 AM
**To:** Zach Barker <Zach.barker@enthalpy.com>
**Cc:** David Tripp <david.tripp@enthalpy.com>; Sample Receiving Group Orange <srloginorange@enthalpy.com>; Jocelyn Nguyen <JocelynNguyen@enthalpy.com>
**Subject:** Waste Connections LR# 528029, 528030, 528031, 528033

Hi Zach,

Please review the login for these jobs. The following discrepancies were noted on the following:

1. All samples for all LRs have collection time @1100 for South Basin - Western Inlet and @1130 for South Basin - Eastern Inlet, coc listed as @1040 for Western Inlet and @1100 for Eastern Inlet. Which are correct - sample bottles or COC?

2. Sample ID discrepancy  for LR #528029 - SOUTH for -001 and EAST for -002 per coc, South Basin - Western Inlet and  South Basin - Eastern Inlet per label. Discrepancy on sampling time as

mentioned on item no. 1. Shall we be consistent in naming samples (3 of 4 COCs, and all bottles using the longer IDs)?

3. Received 4 containers each for LR # 528030, coc listed as 5 containers. Will let you all know if we run into any problems with sample volume for testing.

4. Received 16 containers for LR #528033, coc listed as 17 containers. Will let you all know if we run into any problems with sample volume for testing.

5. Headspace >6 mm in 3/5 vials of 528033-002 and 1/5 vials of 528029-002. Will comment in the case narrative if and as necessary.

Also, please let us know when the sub-coc for 528029 and 528033 are ready.

Regards,

Fernando Diwa
Technician III
Enthalpy Analytical
Orange, CA | US Pacific Time
Office: +1-714-771-6900 x 10310
fernando.diwa@enthalpy.com | enthalpy.com

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Outlook

## Re: [External] Re: 3-5-25 Storm Water COC

**From** Elbie Cannon <ecannon@cteh.com>
**Date** Wed 3/5/2025 6:02 PM
**To** David Tripp <david.tripp@enthalpy.com>; Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc** Elbie Cannon <ecannon@montrose-env.com>

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Good to proceed with analysis.

Elbie Cannon
Emergency Response Consultant
CTEH, LLC
Cell: +1-501-269-8844

---

**From:** David Tripp <david.tripp@enthalpy.com>
**Sent:** Wednesday, March 5, 2025 7:15:49 PM
**To:** Scott Toups <sctoups@montrose-env.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** [External] Re: 3-5-25 Storm Water COC

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710

david.tripp@enthalpy.com | enthalpy.com
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---

**From:** Scott Toups <sctoups@montrose-env.com>
**Sent:** Wednesday, March 5, 2025 1:11 PM
**To:** David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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Outlook

## Re: [External] - Re: 3-5-25 Storm Water COC

**From** David Tripp <david.tripp@enthalpy.com>
**Date** Wed 3/5/2025 5:57 PM
**To** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Cc** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>

Hello Matt - the same day collected/received requirement is met for over temp sample. It's the '*evidence of cooling*' requirement that was not met (was not received on ice).

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

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**From:** Matt Breuer <Matt.Breuer@WasteConnections.com>
**Sent:** Wednesday, March 5, 2025 5:52 PM
**To:** David Tripp <david.tripp@enthalpy.com>
**Cc:** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Elbie Cannon <ecannon@montrose-env.com>
**Subject:** [External] - Re: 3-5-25 Storm Water COC

This is the first time you received an email from this sender (Matt.Breuer@WasteConnections.com). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hi David - These were sampled today, correct? So no issue meeting requirements?

Thanks,

Matt Breuer, PE | Western Region Environmental Manager | Waste Connections
(m) 425-414-2903

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**From:** David Tripp <david.tripp@enthalpy.com>
**Sent:** Wednesday, March 5, 2025 5:16 PM
**To:** Scott Toups <sctoups@montrose-env.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>

**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** Re: 3-5-25 Storm Water COC

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**This Message Is From an External Sender**
This message came from outside your organization.

Report Suspicious

Hey All - samples were received, but not iced. Samples are fine for compliance reporting when received over temperature - *if* received on the day collected *and* with evidence of cooling (on ice, temperature dropping).

We can proceed, but need your go ahead to analyze and report with appropriate case narrative comments.

Thanks!

**David Tripp**
Senior Project Manager
Enthalpy Analytical
Orange, CA | US Pacific Time
657-581-4710
david.tripp@enthalpy.com | enthalpy.com
Terms & Conditions

---

**From:** Scott Toups <sctoups@montrose-env.com>
**Sent:** Wednesday, March 5, 2025 1:11 PM
**To:** David Tripp <david.tripp@enthalpy.com>; amanda.froman@wasteconnections.com <Amanda.Froman@wasteconnections.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** 3-5-25 Storm Water COC

Attached is the copies of the storm water samples COC's for today.
Ian is headed to the lab with samples.

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ENTHALPY ANALYTICAL

# Analysis Results for 528033

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528033
Project No: SW - APPENDIX II
Location: Chiquita Canyon Landfill - Appendix II Parameters
Date Received: 03/05/25

**Sample ID:** SOUTH BASIN - WESTERN INLET | **Lab ID:** 528033-001 | **Matrix:** Water | **Collected:** 03/05/25 10:40

| 528033-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Tin | **1.2** | B,J | ug/L | 5.0 | 0.49 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Antimony | **1.4** | J,b | ug/L | 2.0 | 0.31 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Arsenic | **33** | | ug/L | 2.0 | 0.22 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Barium | **1,200** | | ug/L | 100 | 9.2 | 20 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Beryllium | **2.4** | | ug/L | 1.0 | 0.076 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Cadmium | **2.5** | | ug/L | 1.0 | 0.26 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Chromium | **100** | | ug/L | 5.0 | 0.34 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Cobalt | **47** | | ug/L | 1.0 | 0.074 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Copper | **130** | | ug/L | 3.0 | 2.0 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Lead | **110** | | ug/L | 5.0 | 0.16 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Nickel | **94** | | ug/L | 5.0 | 0.84 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Selenium | **9.6** | | ug/L | 2.0 | 1.6 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Silver | **0.73** | J | ug/L | 5.0 | 0.51 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Thallium | **0.95** | J | ug/L | 1.0 | 0.19 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Vanadium | **160** | | ug/L | 5.0 | 0.36 | 1 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Zinc | **840** | | ug/L | 200 | 150 | 20 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | **0.43** | | ug/L | 0.40 | 0.032 | 1 | 365774 | 03/13/25 | 03/13/25 | MLL |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | **0.010** | | mg/L | 0.010 | 0.0047 | 1 | 366250 | 03/18/25 | 03/18/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| beta-BHC | ND | | ug/L | 0.05 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Heptachlor | ND | | ug/L | 0.05 | 0.01 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aldrin | ND | | ug/L | 0.05 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endosulfan I | ND | | ug/L | 0.05 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Dieldrin | ND | | ug/L | 0.09 | 0.01 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| 4,4'-DDE | ND | | ug/L | 0.09 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endrin | ND | | ug/L | 0.09 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endosulfan II | ND | | ug/L | 0.09 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endosulfan sulfate | ND | | ug/L | 0.09 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| 4,4'-DDD | ND | | ug/L | 0.09 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endrin aldehyde | ND | | ug/L | 0.09 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endrin ketone | ND | | ug/L | 0.09 | 0.02 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| 528033-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | ND | | ug/L | 0.09 | 0.03 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Methoxychlor | ND | | ug/L | 0.09 | 0.06 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Toxaphene | ND | | ug/L | 1.9 | 0.8 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Chlordane (Technical) | ND | | ug/L | 0.9 | 0.2 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| TCMX | 79% | | %REC | 14-120 | | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Decachlorobiphenyl | 77% | | %REC | 20-120 | | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.46 | 0.34 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1221 | ND | | ug/L | 0.46 | 0.38 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1232 | ND | | ug/L | 0.46 | 0.33 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1242 | ND | | ug/L | 0.46 | 0.32 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1248 | ND | | ug/L | 0.46 | 0.32 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1254 | ND | | ug/L | 0.46 | 0.17 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1260 | ND | | ug/L | 0.46 | 0.42 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1262 | ND | | ug/L | 0.46 | 0.36 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1268 | ND | | ug/L | 0.46 | 0.23 | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 79% | | %REC | 18-126 | | 0.93 | 365372 | 03/10/25 | 03/11/25 | MES |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Chloroprene | ND | | ug/L | 200 | 0.4 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Ethyl methacrylate | ND | | ug/L | 50 | 2.4 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Ethanol | ND | | ug/L | 500 | 93 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 2-Hexanone | ND | | ug/L | 5.0 | 1.5 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Isopropanol (IPA) | ND | | ug/L | 200 | 21 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.9 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Vinyl Acetate | ND | | ug/L | 50 | 2.6 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Acrolein | ND | | ug/L | 200 | 4.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Iodomethane | ND | | ug/L | 5.0 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 2-Butanone | **3.1** | J | ug/L | 10 | 2.0 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| 528033-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 4-Methyl-2-Pentanone | **2.0** | J | ug/L | 10 | 1.4 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| TIC: | ND | | | | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |

| Surrogates | Limits |
|---|---|



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| 528033-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dichloroethane-d4 | 109% | | %REC | 70-130 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 0.50 | 0.18 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 0.50 | 0.24 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Naphthalene | ND | | ug/L | 0.50 | 0.20 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 0.50 | 0.21 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Acenaphthene | ND | | ug/L | 0.50 | 0.17 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Fluorene | ND | | ug/L | 0.50 | 0.16 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Phenanthrene | ND | | ug/L | 0.50 | 0.19 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Anthracene | ND | | ug/L | 0.50 | 0.18 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Fluoranthene | ND | | ug/L | 0.50 | 0.17 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Pyrene | ND | | ug/L | 0.50 | 0.16 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 0.50 | 0.15 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Chrysene | ND | | ug/L | 0.50 | 0.16 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 0.50 | 0.12 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.50 | 0.14 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.50 | 0.18 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.50 | 0.20 | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 59% | | %REC | 16-125 | | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| 2-Fluorobiphenyl | 62% | | %REC | 17-120 | | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Terphenyl-d14 | 90% | | %REC | 39-123 | | 0.99 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 40 | 5.7 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Pyridine | ND | | ug/L | 40 | 6.9 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| N-Nitrosodimethylamine | ND | | ug/L | 40 | 5.8 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Phenol | **3.2** | J | ug/L | 40 | 3.1 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Aniline | ND | | ug/L | 40 | 6.6 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| bis(2-Chloroethyl)ether | ND | | ug/L | 100 | 4.7 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Chlorophenol | ND | | ug/L | 40 | 5.8 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 1,3-Dichlorobenzene | ND | | ug/L | 40 | 4.6 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 1,4-Dichlorobenzene | ND | | ug/L | 40 | 4.6 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzyl alcohol | ND | | ug/L | 40 | 7.8 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 1,2-Dichlorobenzene | ND | | ug/L | 40 | 4.3 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Methylphenol | ND | | ug/L | 40 | 5.3 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 40 | 5.0 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 3-,4-Methylphenol | ND | | ug/L | 40 | 5.2 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 40 | 6.1 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Hexachloroethane | ND | | ug/L | 40 | 5.4 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Nitrobenzene | ND | | ug/L | 100 | 4.9 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Isophorone | ND | | ug/L | 40 | 8.7 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Nitrophenol | ND | | ug/L | 40 | 8.7 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4-Dimethylphenol | ND | | ug/L | 40 | 7.3 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzoic acid | ND | | ug/L | 200 | 25 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| 528033-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| bis(2-Chloroethoxy)methane | ND | | ug/L | 40 | 6.0 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4-Dichlorophenol | ND | | ug/L | 40 | 8.6 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 40 | 4.2 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Naphthalene | ND | | ug/L | 40 | 4.5 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4-Chloroaniline | ND | | ug/L | 40 | 6.6 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Hexachlorobutadiene | ND | | ug/L | 40 | 4.3 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4-Chloro-3-methylphenol | ND | | ug/L | 40 | 8.2 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 40 | 3.5 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Hexachlorocyclopentadiene | ND | | ug/L | 100 | 35 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4,6-Trichlorophenol | ND | | ug/L | 40 | 9.6 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4,5-Trichlorophenol | ND | | ug/L | 40 | 11 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Chloronaphthalene | ND | | ug/L | 40 | 3.4 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Nitroaniline | ND | | ug/L | 200 | 7.5 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Dimethylphthalate | ND | | ug/L | 40 | 6.9 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 40 | 4.3 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,6-Dinitrotoluene | ND | | ug/L | 40 | 6.4 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 3-Nitroaniline | ND | | ug/L | 40 | 9.1 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Acenaphthene | ND | | ug/L | 40 | 3.4 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4-Dinitrophenol | ND | | ug/L | 200 | 40 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4-Nitrophenol | ND | | ug/L | 40 | 8.7 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Dibenzofuran | ND | | ug/L | 40 | 3.5 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4-Dinitrotoluene | ND | | ug/L | 40 | 6.1 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Diethylphthalate | ND | | ug/L | 40 | 6.3 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Fluorene | ND | | ug/L | 40 | 3.7 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 40 | 3.4 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4-Nitroaniline | ND | | ug/L | 40 | 17 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 200 | 10 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| N-Nitrosodiphenylamine | ND | | ug/L | 40 | 9.4 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 40 | 4.3 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4-Bromophenyl-phenylether | ND | | ug/L | 40 | 4.2 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Hexachlorobenzene | ND | | ug/L | 40 | 5.1 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Pentachlorophenol | ND | | ug/L | 100 | 41 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Phenanthrene | ND | | ug/L | 40 | 4.0 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Anthracene | ND | | ug/L | 40 | 4.3 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Di-n-butylphthalate | ND | | ug/L | 40 | 7.7 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Fluoranthene | ND | | ug/L | 40 | 4.8 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzidine | ND | | ug/L | 200 | 31 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Pyrene | ND | | ug/L | 40 | 4.9 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Butylbenzylphthalate | ND | | ug/L | 40 | 10 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 100 | 29 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 40 | 5.3 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Chrysene | ND | | ug/L | 40 | 5.6 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| bis(2-Ethylhexyl)phthalate | **13** | B,J | ug/L | 40 | 11 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Di-n-octylphthalate | ND | | ug/L | 40 | 24 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 40 | 7.5 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 40 | 10 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 40 | 5.8 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 40 | 21 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 40 | 17 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 40 | 6.5 | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528033

| 528033-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:Acetophenone | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:Chlorobenzilate | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:Diallate | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:Thionazin | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 30% | | %REC | 10-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Phenol-d6 | 29% | | %REC | 10-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4,6-Tribromophenol | 49% | | %REC | 12-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Nitrobenzene-d5 | 30% | | %REC | 10-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Fluorobiphenyl | 28% | | %REC | 11-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Terphenyl-d14 | 45% | | %REC | 20-140 | | 4 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | **0.0030** | J | mg/L | 0.0050 | 0.0021 | 0.5 | 365426 | 03/10/25 | 03/10/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 365688 | 03/12/25 | 03/12/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| Sample ID: | Lab ID: 528033-002 | Collected: 03/05/25 11:00 |
|---|---|---|
| SOUTH BASIN - EASTERN INLET | Matrix: Water | |

| 528033-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Tin | ND | | ug/L | 50 | 4.9 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Antimony | ND | | ug/L | 20 | 3.1 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Arsenic | **60** | | ug/L | 20 | 2.2 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Barium | **6,300** | | ug/L | 500 | 46 | 100 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Beryllium | **16** | | ug/L | 10 | 0.76 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Cadmium | **12** | | ug/L | 10 | 2.6 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Chromium | **360** | | ug/L | 50 | 3.4 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Cobalt | **250** | | ug/L | 10 | 0.74 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Copper | **840** | | ug/L | 30 | 20 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Lead | **690** | | ug/L | 50 | 1.6 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Nickel | **480** | | ug/L | 50 | 8.4 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Selenium | **46** | | ug/L | 20 | 16 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Silver | **6.5** | J | ug/L | 50 | 5.1 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Thallium | **2.0** | J | ug/L | 10 | 1.9 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Vanadium | **380** | | ug/L | 50 | 3.6 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Zinc | **3,600** | | ug/L | 100 | 74 | 10 | 365105 | 03/06/25 | 03/06/25 | DXC |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | **3.1** | | ug/L | 0.40 | 0.032 | 1 | 365774 | 03/13/25 | 03/13/25 | MLL |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | **0.0088** | J | mg/L | 0.013 | 0.0059 | 1.3 | 366250 | 03/18/25 | 03/18/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.2 | 0.1 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| beta-BHC | ND | | ug/L | 0.2 | 0.1 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| gamma-BHC | ND | | ug/L | 0.2 | 0.08 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| delta-BHC | ND | | ug/L | 0.2 | 0.08 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Heptachlor | ND | | ug/L | 0.2 | 0.06 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aldrin | ND | | ug/L | 0.2 | 0.1 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Heptachlor epoxide | ND | | ug/L | 0.2 | 0.08 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endosulfan I | ND | | ug/L | 0.2 | 0.09 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Dieldrin | ND | | ug/L | 0.5 | 0.06 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| 4,4'-DDE | ND | | ug/L | 0.5 | 0.08 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endrin | ND | | ug/L | 0.5 | 0.08 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endosulfan II | ND | | ug/L | 0.5 | 0.1 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endosulfan sulfate | ND | | ug/L | 0.5 | 0.09 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| 4,4'-DDD | ND | | ug/L | 0.5 | 0.1 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endrin aldehyde | ND | | ug/L | 0.5 | 0.1 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Endrin ketone | ND | | ug/L | 0.5 | 0.1 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| 4,4'-DDT | ND | | ug/L | 0.5 | 0.2 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Methoxychlor | ND | | ug/L | 0.5 | 0.3 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Toxaphene | ND | | ug/L | 9.4 | 3.8 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Chlordane (Technical) | ND | | ug/L | 4.7 | 1.2 | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| 528033-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TCMX | 93% | | %REC | 14-120 | | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Decachlorobiphenyl | 107% | | %REC | 20-120 | | 4.7 | 365372 | 03/10/25 | 03/11/25 | MES |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.94 | 0.70 | 1.9 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1221 | ND | | ug/L | 0.94 | 0.77 | 1.9 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1232 | ND | | ug/L | 0.94 | 0.68 | 1.9 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1242 | ND | | ug/L | 0.94 | 0.65 | 1.9 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1248 | ND | | ug/L | 0.94 | 0.65 | 1.9 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1254 | ND | | ug/L | 0.94 | 0.34 | 1.9 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1260 | ND | | ug/L | 0.94 | 0.85 | 1.9 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1262 | ND | | ug/L | 0.94 | 0.74 | 1.9 | 365372 | 03/10/25 | 03/11/25 | MES |
| Aroclor-1268 | ND | | ug/L | 0.94 | 0.47 | 1.9 | 365372 | 03/10/25 | 03/11/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 94% | | %REC | 18-126 | | 1.9 | 365372 | 03/10/25 | 03/11/25 | MES |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Chloroprene | ND | | ug/L | 200 | 0.4 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Ethyl methacrylate | ND | | ug/L | 50 | 2.4 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Ethanol | ND | | ug/L | 500 | 93 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 2-Hexanone | ND | | ug/L | 5.0 | 1.5 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Isopropanol (IPA) | ND | | ug/L | 200 | 21 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.9 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Vinyl Acetate | ND | | ug/L | 50 | 2.6 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Acrolein | ND | | ug/L | 200 | 4.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Iodomethane | ND | | ug/L | 5.0 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 2-Butanone | **2.6** | J | ug/L | 10 | 2.0 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| 528033-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.4 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| TIC: | ND | | | | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| 1,2-Dichloroethane-d4 | 108% | | %REC | 70-130 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |
| Bromofluorobenzene | 94% | | %REC | 70-130 | | 1 | 365173 | 03/07/25 | 03/07/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| 528033-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 2.8 | 1.0 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 2.8 | 1.3 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Naphthalene | ND | | ug/L | 2.8 | 1.1 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 2.8 | 1.2 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Acenaphthene | ND | | ug/L | 2.8 | 0.96 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Fluorene | ND | | ug/L | 2.8 | 0.92 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Phenanthrene | ND | | ug/L | 2.8 | 1.1 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Anthracene | ND | | ug/L | 2.8 | 0.99 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Fluoranthene | ND | | ug/L | 2.8 | 0.97 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Pyrene | ND | | ug/L | 2.8 | 0.92 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 2.8 | 0.83 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Chrysene | ND | | ug/L | 2.8 | 0.90 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 2.8 | 0.90 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 2.8 | 0.91 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 2.8 | 0.70 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 2.8 | 0.78 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 2.8 | 1.0 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 2.8 | 1.1 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 85% | | %REC | 16-125 | | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| 2-Fluorobiphenyl | 87% | | %REC | 17-120 | | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Terphenyl-d14 | 102% | | %REC | 39-123 | | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 500 | 71 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Pyridine | ND | | ug/L | 500 | 87 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| N-Nitrosodimethylamine | ND | | ug/L | 500 | 72 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Phenol | ND | | ug/L | 500 | 39 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Aniline | ND | | ug/L | 500 | 83 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| bis(2-Chloroethyl)ether | ND | | ug/L | 1,300 | 58 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Chlorophenol | ND | | ug/L | 500 | 72 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 1,3-Dichlorobenzene | ND | | ug/L | 500 | 58 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 1,4-Dichlorobenzene | ND | | ug/L | 500 | 58 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzyl alcohol | ND | | ug/L | 500 | 98 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 1,2-Dichlorobenzene | ND | | ug/L | 500 | 54 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Methylphenol | ND | | ug/L | 500 | 66 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 500 | 63 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 3-,4-Methylphenol | ND | | ug/L | 500 | 65 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 500 | 76 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Hexachloroethane | ND | | ug/L | 500 | 67 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Nitrobenzene | ND | | ug/L | 1,300 | 61 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Isophorone | ND | | ug/L | 500 | 110 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Nitrophenol | ND | | ug/L | 500 | 110 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4-Dimethylphenol | ND | | ug/L | 500 | 91 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzoic acid | ND | | ug/L | 2,500 | 310 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 500 | 75 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4-Dichlorophenol | ND | | ug/L | 500 | 110 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 500 | 53 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Naphthalene | ND | | ug/L | 500 | 56 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| 528033-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Chloroaniline | ND | | ug/L | 500 | 83 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Hexachlorobutadiene | ND | | ug/L | 500 | 54 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4-Chloro-3-methylphenol | ND | | ug/L | 500 | 100 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 500 | 43 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Hexachlorocyclopentadiene | ND | | ug/L | 1,300 | 440 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4,6-Trichlorophenol | ND | | ug/L | 500 | 120 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4,5-Trichlorophenol | ND | | ug/L | 500 | 130 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Chloronaphthalene | ND | | ug/L | 500 | 43 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Nitroaniline | ND | | ug/L | 2,500 | 94 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Dimethylphthalate | ND | | ug/L | 500 | 86 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 500 | 54 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,6-Dinitrotoluene | ND | | ug/L | 500 | 80 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 3-Nitroaniline | ND | | ug/L | 500 | 110 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Acenaphthene | ND | | ug/L | 500 | 43 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4-Dinitrophenol | ND | | ug/L | 2,500 | 490 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4-Nitrophenol | ND | | ug/L | 500 | 110 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Dibenzofuran | ND | | ug/L | 500 | 44 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4-Dinitrotoluene | ND | | ug/L | 500 | 77 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Diethylphthalate | ND | | ug/L | 500 | 78 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Fluorene | ND | | ug/L | 500 | 46 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 500 | 42 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4-Nitroaniline | ND | | ug/L | 500 | 210 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 2,500 | 130 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| N-Nitrosodiphenylamine | ND | | ug/L | 500 | 120 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 500 | 54 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 4-Bromophenyl-phenylether | ND | | ug/L | 500 | 53 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Hexachlorobenzene | ND | | ug/L | 500 | 64 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Pentachlorophenol | ND | | ug/L | 1,300 | 510 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Phenanthrene | ND | | ug/L | 500 | 49 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Anthracene | ND | | ug/L | 500 | 54 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Di-n-butylphthalate | ND | | ug/L | 500 | 96 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Fluoranthene | ND | | ug/L | 500 | 60 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzidine | ND | | ug/L | 2,500 | 380 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Pyrene | ND | | ug/L | 500 | 61 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Butylbenzylphthalate | ND | | ug/L | 500 | 130 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 1,300 | 360 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 500 | 67 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Chrysene | ND | | ug/L | 500 | 71 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 500 | 140 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Di-n-octylphthalate | ND | | ug/L | 500 | 300 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 500 | 94 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 500 | 130 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 500 | 73 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 500 | 260 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 500 | 210 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 500 | 81 | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:Acetophenone | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| 528033-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:Chlorobenzilate | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:Diallate | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:Thionazin | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 30% | | %REC | 10-140 | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Phenol-d6 | 33% | | %REC | 10-140 | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2,4,6-Tribromophenol | 24% | | %REC | 12-140 | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Nitrobenzene-d5 | 23% | | %REC | 10-140 | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| 2-Fluorobiphenyl | 22% | | %REC | 11-140 | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Terphenyl-d14 | 26% | | %REC | 20-140 | | 50 | 365181 | 03/07/25 | 03/07/25 | ZFA |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | **0.0031** | J | mg/L | 0.0050 | 0.0021 | 0.5 | 365426 | 03/10/25 | 03/10/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 365688 | 03/12/25 | 03/12/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| Sample ID: TRIP BLANK | Lab ID: 528033-003 | Collected: 03/05/25 |
|---|---|---|
| | Matrix: Water | |

| 528033-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Chloroprene | ND | | ug/L | 200 | 0.4 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Ethyl methacrylate | ND | | ug/L | 50 | 2.4 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Ethanol | ND | | ug/L | 500 | 93 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 2-Hexanone | ND | | ug/L | 5.0 | 1.5 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Isopropanol (IPA) | ND | | ug/L | 200 | 21 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.9 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Vinyl Acetate | ND | | ug/L | 50 | 2.6 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Acrolein | ND | | ug/L | 200 | 4.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Iodomethane | ND | | ug/L | 5.0 | | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Acetone | ND | | ug/L | 100 | 17 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 2-Butanone | ND | | ug/L | 10 | 2.0 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.4 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528033

| 528033-003 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| TIC: | ND | | | | | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| 1,2-Dichloroethane-d4 | 112% | | %REC | 70-130 | | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 365282 | 03/08/25 | 03/08/25 | LYZ |

B Contamination found in associated Method Blank
J Estimated value
ND Not Detected
b See narrative



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type: Blank** | **Lab ID: QC1236114** | **Batch: 365105** |
| **Matrix: Water** | **Method: EPA 200.8** | **Prep Method: EPA 3015A** |

| QC1236114 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Tin | 0.79 | J | ug/L | 5.0 | 0.49 | 03/06/25 | 03/06/25 |
| Antimony | ND | | ug/L | 2.0 | 0.31 | 03/06/25 | 03/06/25 |
| Arsenic | ND | | ug/L | 2.0 | 0.22 | 03/06/25 | 03/06/25 |
| Barium | ND | | ug/L | 5.0 | 0.46 | 03/06/25 | 03/06/25 |
| Beryllium | ND | | ug/L | 1.0 | 0.076 | 03/06/25 | 03/06/25 |
| Cadmium | ND | | ug/L | 1.0 | 0.26 | 03/06/25 | 03/06/25 |
| Chromium | ND | | ug/L | 5.0 | 0.34 | 03/06/25 | 03/06/25 |
| Cobalt | ND | | ug/L | 1.0 | 0.074 | 03/06/25 | 03/06/25 |
| Copper | ND | | ug/L | 3.0 | 2.0 | 03/06/25 | 03/06/25 |
| Lead | ND | | ug/L | 5.0 | 0.16 | 03/06/25 | 03/06/25 |
| Nickel | ND | | ug/L | 5.0 | 0.84 | 03/06/25 | 03/06/25 |
| Selenium | ND | | ug/L | 2.0 | 1.6 | 03/06/25 | 03/06/25 |
| Silver | ND | | ug/L | 5.0 | 0.51 | 03/06/25 | 03/06/25 |
| Thallium | ND | | ug/L | 1.0 | 0.19 | 03/06/25 | 03/06/25 |
| Vanadium | ND | | ug/L | 5.0 | 0.36 | 03/06/25 | 03/06/25 |
| Zinc | ND | | ug/L | 10 | 7.4 | 03/06/25 | 03/06/25 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1236115** | **Batch: 365105** |
| **Matrix: Water** | **Method: EPA 200.8** | **Prep Method: EPA 3015A** |

| QC1236115 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Tin | 94.79 | 100.0 | ug/L | 95% | | 85-115 |
| Antimony | 121.6 | 100.0 | ug/L | 122% | * | 85-115 |
| Arsenic | 100.3 | 100.0 | ug/L | 100% | | 85-115 |
| Barium | 93.22 | 100.0 | ug/L | 93% | | 85-115 |
| Beryllium | 97.51 | 100.0 | ug/L | 98% | | 85-115 |
| Cadmium | 98.54 | 100.0 | ug/L | 99% | | 85-115 |
| Chromium | 104.1 | 100.0 | ug/L | 104% | | 85-115 |
| Cobalt | 111.8 | 100.0 | ug/L | 112% | | 85-115 |
| Copper | 106.3 | 100.0 | ug/L | 106% | | 85-115 |
| Lead | 99.64 | 100.0 | ug/L | 100% | | 85-115 |
| Nickel | 106.6 | 100.0 | ug/L | 107% | | 85-115 |
| Selenium | 98.05 | 100.0 | ug/L | 98% | | 85-115 |
| Silver | 44.63 | 50.00 | ug/L | 89% | | 85-115 |
| Thallium | 100.8 | 100.0 | ug/L | 101% | | 85-115 |
| Vanadium | 103.4 | 100.0 | ug/L | 103% | | 85-115 |
| Zinc | 104.6 | 100.0 | ug/L | 105% | | 85-115 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1236116 | Batch: | 365105 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528033-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1236116 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 0.9624 | ND | 100.0 | ug/L | | DO | 70-130 | 10 |
| Antimony | 3.760 | ND | 100.0 | ug/L | 4% | b,* | 70-130 | 10 |
| Arsenic | 94.40 | 60.12 | 100.0 | ug/L | 34% | * | 70-130 | 10 |
| Barium | 6,523 | 6282 | 100.0 | ug/L | 241% | E,NM | 70-130 | 10 |
| Beryllium | 104.9 | 15.63 | 100.0 | ug/L | 89% | | 70-130 | 10 |
| Cadmium | 112.9 | 12.46 | 100.0 | ug/L | 100% | | 70-130 | 10 |
| Chromium | 421.2 | 357.1 | 100.0 | ug/L | 64% | * | 70-130 | 10 |
| Cobalt | 324.3 | 245.1 | 100.0 | ug/L | 79% | | 70-130 | 10 |
| Copper | 883.8 | 838.5 | 100.0 | ug/L | 45% | NM | 70-130 | 10 |
| Lead | 789.4 | 685.2 | 100.0 | ug/L | 104% | NM | 70-130 | 10 |
| Nickel | 523.8 | 477.8 | 100.0 | ug/L | 46% | NM | 70-130 | 10 |
| Selenium | 87.13 | 45.98 | 100.0 | ug/L | 41% | * | 70-130 | 10 |
| Silver | 46.71 | 6.492 | 50.00 | ug/L | 80% | | 70-130 | 10 |
| Thallium | 80.28 | 2.001 | 100.0 | ug/L | 78% | | 70-130 | 10 |
| Vanadium | 411.0 | 381.4 | 100.0 | ug/L | 30% | * | 70-130 | 10 |
| Zinc | 3,494 | 3606 | 100.0 | ug/L | -112% | NM | 70-130 | 10 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1236117 | Batch: | 365105 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528033-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1236117 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 0.3857 | ND | 100.0 | ug/L | | DO | 70-130 | | 20 | 10 |
| Antimony | 3.701 | ND | 100.0 | ug/L | 4% | b,* | 70-130 | 2 | 20 | 10 |
| Arsenic | 106.2 | 60.12 | 100.0 | ug/L | 46% | * | 70-130 | 12 | 20 | 10 |
| Barium | 6,417 | 6282 | 100.0 | ug/L | 135% | E,NM | 70-130 | | 20 | 10 |
| Beryllium | 102.0 | 15.63 | 100.0 | ug/L | 86% | | 70-130 | 3 | 20 | 10 |
| Cadmium | 118.3 | 12.46 | 100.0 | ug/L | 106% | | 70-130 | 5 | 20 | 10 |
| Chromium | 392.2 | 357.1 | 100.0 | ug/L | 35% | * | 70-130 | 7 | 20 | 10 |
| Cobalt | 311.0 | 245.1 | 100.0 | ug/L | 66% | * | 70-130 | 4 | 20 | 10 |
| Copper | 844.6 | 838.5 | 100.0 | ug/L | 6% | NM | 70-130 | 5 | 20 | 10 |
| Lead | 781.4 | 685.2 | 100.0 | ug/L | 96% | NM | 70-130 | 1 | 20 | 10 |
| Nickel | 504.9 | 477.8 | 100.0 | ug/L | 27% | NM | 70-130 | 4 | 20 | 10 |
| Selenium | 91.16 | 45.98 | 100.0 | ug/L | 45% | * | 70-130 | 5 | 20 | 10 |
| Silver | 50.71 | 6.492 | 50.00 | ug/L | 88% | | 70-130 | 8 | 20 | 10 |
| Thallium | 78.19 | 2.001 | 100.0 | ug/L | 76% | | 70-130 | 3 | 20 | 10 |
| Vanadium | 400.5 | 381.4 | 100.0 | ug/L | 19% | * | 70-130 | 3 | 20 | 10 |
| Zinc | 3,421 | 3606 | 100.0 | ug/L | -185% | NM | 70-130 | 2 | 20 | 10 |

| Type: | Blank | Lab ID: | QC1238523 | Batch: | 365774 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1238523 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.032 | 03/13/25 | 03/13/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Lab Control Sample | Lab ID: QC1238524 | Batch: 365774 |
|---|---|---|
| Matrix: Water | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1238524 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 5.070 | 5.000 | ug/L | 101% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1238525 | Batch: 365774 |
|---|---|---|
| Matrix (Source ID): Water (528266-001) | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1238525 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 4.701 | ND | 5.000 | ug/L | 94% | | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1238526 | Batch: 365774 |
|---|---|---|
| Matrix (Source ID): Water (528266-001) | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1238526 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.705 | ND | 5.000 | ug/L | 94% | | 75-125 | 0 | 20 | 1 |

| Type: Blank | Lab ID: QC1240153 | Batch: 366250 |
|---|---|---|
| Matrix: Water | Method: EPA 420.1 | Prep Method: METHOD |

| QC1240153 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 03/18/25 | 03/18/25 |

| Type: Lab Control Sample | Lab ID: QC1240154 | Batch: 366250 |
|---|---|---|
| Matrix: Water | Method: EPA 420.1 | Prep Method: METHOD |

| QC1240154 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Phenolics | 0.07500 | 0.08000 | mg/L | 94% | | 80-120 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1240155 | Batch: 366250 |
|---|---|---|
| Matrix: Water | Method: EPA 420.1 | Prep Method: METHOD |

| QC1240155 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Phenolics | 0.07600 | 0.08000 | mg/L | 95% | | 80-120 | 1 | 20 |

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# Batch QC

| Type: Blank | Lab ID: QC1237168 | Batch: 365372 |
|---|---|---|
| Matrix: Water | | |

| QC1237168 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 03/10/25 | 03/11/25 |
| beta-BHC | ND | | ug/L | 0.05 | 0.02 | 03/10/25 | 03/11/25 |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 03/10/25 | 03/11/25 |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 03/10/25 | 03/11/25 |
| Heptachlor | ND | | ug/L | 0.05 | 0.01 | 03/10/25 | 03/11/25 |
| Aldrin | ND | | ug/L | 0.05 | 0.02 | 03/10/25 | 03/11/25 |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.02 | 03/10/25 | 03/11/25 |
| Endosulfan I | ND | | ug/L | 0.05 | 0.02 | 03/10/25 | 03/11/25 |
| Dieldrin | ND | | ug/L | 0.1 | 0.01 | 03/10/25 | 03/11/25 |
| 4,4'-DDE | ND | | ug/L | 0.1 | 0.02 | 03/10/25 | 03/11/25 |
| Endrin | ND | | ug/L | 0.1 | 0.02 | 03/10/25 | 03/11/25 |
| Endosulfan II | ND | | ug/L | 0.1 | 0.02 | 03/10/25 | 03/11/25 |
| Endosulfan sulfate | ND | | ug/L | 0.1 | 0.02 | 03/10/25 | 03/11/25 |
| 4,4'-DDD | ND | | ug/L | 0.1 | 0.02 | 03/10/25 | 03/11/25 |
| Endrin aldehyde | ND | | ug/L | 0.1 | 0.03 | 03/10/25 | 03/11/25 |
| Endrin ketone | ND | | ug/L | 0.1 | 0.03 | 03/10/25 | 03/11/25 |
| 4,4'-DDT | ND | | ug/L | 0.1 | 0.04 | 03/10/25 | 03/11/25 |
| Methoxychlor | ND | | ug/L | 0.1 | 0.06 | 03/10/25 | 03/11/25 |
| Toxaphene | ND | | ug/L | 2.0 | 0.8 | 03/10/25 | 03/11/25 |
| Chlordane (Technical) | ND | | ug/L | 1.0 | 0.3 | 03/10/25 | 03/11/25 |
| **Surrogates** | | | | **Limits** | | | |
| TCMX | 55% | | %REC | 14-120 | | 03/10/25 | 03/11/25 |
| Decachlorobiphenyl | 69% | | %REC | 20-120 | | 03/10/25 | 03/11/25 |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.50 | 0.37 | 03/10/25 | 03/11/25 |
| Aroclor-1221 | ND | | ug/L | 0.50 | 0.41 | 03/10/25 | 03/11/25 |
| Aroclor-1232 | ND | | ug/L | 0.50 | 0.36 | 03/10/25 | 03/11/25 |
| Aroclor-1242 | ND | | ug/L | 0.50 | 0.35 | 03/10/25 | 03/11/25 |
| Aroclor-1248 | ND | | ug/L | 0.50 | 0.34 | 03/10/25 | 03/11/25 |
| Aroclor-1254 | ND | | ug/L | 0.50 | 0.18 | 03/10/25 | 03/11/25 |
| Aroclor-1260 | ND | | ug/L | 0.50 | 0.45 | 03/10/25 | 03/11/25 |
| Aroclor-1262 | ND | | ug/L | 0.50 | 0.39 | 03/10/25 | 03/11/25 |
| Aroclor-1268 | ND | | ug/L | 0.50 | 0.25 | 03/10/25 | 03/11/25 |
| **Surrogates** | | | | **Limits** | | | |
| Decachlorobiphenyl (PCB) | 96% | | %REC | 18-126 | | 03/10/25 | 03/11/25 |

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# Batch QC

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1237170** | **Batch: 365372** |
| **Matrix: Water** | **Method: EPA 8081A** | **Prep Method: EPA 3510C** |

| QC1237170 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| alpha-BHC | 0.3792 | 0.5000 | ug/L | 76% | | 53-120 |
| beta-BHC | 0.4156 | 0.5000 | ug/L | 83% | # | 59-120 |
| gamma-BHC | 0.3896 | 0.5000 | ug/L | 78% | | 54-120 |
| delta-BHC | 0.3985 | 0.5000 | ug/L | 80% | | 58-120 |
| Heptachlor | 0.3630 | 0.5000 | ug/L | 73% | | 49-120 |
| Aldrin | 0.3525 | 0.5000 | ug/L | 70% | | 47-120 |
| Heptachlor epoxide | 0.3676 | 0.5000 | ug/L | 74% | | 53-120 |
| Endosulfan I | 0.3927 | 0.5000 | ug/L | 79% | | 56-120 |
| Dieldrin | 0.3635 | 0.5000 | ug/L | 73% | | 55-120 |
| 4,4'-DDE | 0.3910 | 0.5000 | ug/L | 78% | | 55-120 |
| Endrin | 0.3675 | 0.5000 | ug/L | 73% | | 57-120 |
| Endosulfan II | 0.3914 | 0.5000 | ug/L | 78% | | 58-120 |
| Endosulfan sulfate | 0.3840 | 0.5000 | ug/L | 77% | | 56-120 |
| 4,4'-DDD | 0.3666 | 0.5000 | ug/L | 73% | | 53-120 |
| Endrin aldehyde | 0.3731 | 0.5000 | ug/L | 75% | # | 45-120 |
| Endrin ketone | 0.4066 | 0.5000 | ug/L | 81% | | 61-120 |
| 4,4'-DDT | 0.3855 | 0.5000 | ug/L | 77% | # | 58-120 |
| Methoxychlor | 0.4160 | 0.5000 | ug/L | 83% | # | 54-120 |
| **Surrogates** | | | | | | |
| TCMX | 0.3161 | 0.5000 | ug/L | 63% | | 14-120 |
| Decachlorobiphenyl | 0.3882 | 0.5000 | ug/L | 78% | | 20-120 |

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# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1237171 | Batch: | 365372 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8081A | Prep Method: | EPA 3510C |

| QC1237171 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | 0.4160 | 0.5000 | ug/L | 83% | | 53-120 | 9 | 20 |
| beta-BHC | 0.4378 | 0.5000 | ug/L | 88% | # | 59-120 | 5 | 20 |
| gamma-BHC | 0.4254 | 0.5000 | ug/L | 85% | | 54-120 | 9 | 20 |
| delta-BHC | 0.4303 | 0.5000 | ug/L | 86% | | 58-120 | 8 | 20 |
| Heptachlor | 0.3923 | 0.5000 | ug/L | 78% | | 49-120 | 8 | 20 |
| Aldrin | 0.3845 | 0.5000 | ug/L | 77% | | 47-120 | 9 | 20 |
| Heptachlor epoxide | 0.4012 | 0.5000 | ug/L | 80% | | 53-120 | 9 | 20 |
| Endosulfan I | 0.4259 | 0.5000 | ug/L | 85% | | 56-120 | 8 | 20 |
| Dieldrin | 0.3925 | 0.5000 | ug/L | 78% | | 55-120 | 8 | 20 |
| 4,4'-DDE | 0.4282 | 0.5000 | ug/L | 86% | | 55-120 | 9 | 20 |
| Endrin | 0.3962 | 0.5000 | ug/L | 79% | | 57-120 | 8 | 20 |
| Endosulfan II | 0.4103 | 0.5000 | ug/L | 82% | | 58-120 | 5 | 20 |
| Endosulfan sulfate | 0.4055 | 0.5000 | ug/L | 81% | | 56-120 | 5 | 20 |
| 4,4'-DDD | 0.3965 | 0.5000 | ug/L | 79% | | 53-120 | 8 | 20 |
| Endrin aldehyde | 0.3934 | 0.5000 | ug/L | 79% | # | 45-120 | 5 | 20 |
| Endrin ketone | 0.4317 | 0.5000 | ug/L | 86% | | 61-120 | 6 | 20 |
| 4,4'-DDT | 0.4161 | 0.5000 | ug/L | 83% | # | 58-120 | 8 | 20 |
| Methoxychlor | 0.4351 | 0.5000 | ug/L | 87% | # | 54-120 | 5 | 20 |
| **Surrogates** | | | | | | | | |
| TCMX | 0.3369 | 0.5000 | ug/L | 67% | | 14-120 | | |
| Decachlorobiphenyl | 0.3899 | 0.5000 | ug/L | 78% | | 20-120 | | |

| Type: | Lab Control Sample | Lab ID: | QC1237172 | Batch: | 365372 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1237172 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 4.859 | 5.000 | ug/L | 97% | | 36-143 |
| Aroclor-1260 | 5.070 | 5.000 | ug/L | 101% | | 31-153 |
| **Surrogates** | | | | | | |
| Decachlorobiphenyl (PCB) | 0.4794 | 0.5000 | ug/L | 96% | | 18-126 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1237173 | Batch: | 365372 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1237173 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 4.821 | 5.000 | ug/L | 96% | | 36-143 | 1 | 39 |
| Aroclor-1260 | 5.022 | 5.000 | ug/L | 100% | | 31-153 | 1 | 20 |
| **Surrogates** | | | | | | | | |
| Decachlorobiphenyl (PCB) | 0.4836 | 0.5000 | ug/L | 97% | | 18-126 | | |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1236367 | Batch: 365173 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1236367 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 54.53 | 50.00 | ug/L | 109% | | 70-135 |
| MTBE | 46.54 | 50.00 | ug/L | 93% | | 70-130 |
| Benzene | 45.59 | 50.00 | ug/L | 91% | | 70-130 |
| Trichloroethene | 48.35 | 50.00 | ug/L | 97% | | 70-130 |
| Toluene | 45.32 | 50.00 | ug/L | 91% | | 70-130 |
| Chlorobenzene | 48.01 | 50.00 | ug/L | 96% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 55.53 | 50.00 | ug/L | 111% | | 70-130 |
| 1,2-Dichloroethane-d4 | 58.52 | 50.00 | ug/L | 117% | | 70-130 |
| Toluene-d8 | 49.44 | 50.00 | ug/L | 99% | | 70-130 |
| Bromofluorobenzene | 46.95 | 50.00 | ug/L | 94% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1236368 | Batch: 365173 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1236368 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 58.84 | 50.00 | ug/L | 118% | | 70-135 | 8 | 30 |
| MTBE | 51.73 | 50.00 | ug/L | 103% | | 70-130 | 11 | 30 |
| Benzene | 50.07 | 50.00 | ug/L | 100% | | 70-130 | 9 | 30 |
| Trichloroethene | 53.75 | 50.00 | ug/L | 108% | | 70-130 | 11 | 30 |
| Toluene | 51.21 | 50.00 | ug/L | 102% | | 70-130 | 12 | 30 |
| Chlorobenzene | 52.37 | 50.00 | ug/L | 105% | | 70-130 | 9 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.27 | 50.00 | ug/L | 107% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 50.92 | 50.00 | ug/L | 102% | | 70-130 | | |
| Toluene-d8 | 49.98 | 50.00 | ug/L | 100% | | 70-130 | | |
| Bromofluorobenzene | 48.26 | 50.00 | ug/L | 97% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1236370** | **Batch:** | **365173** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1236370 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Chloroprene | ND | | ug/L | 200 | 0.4 | 03/07/25 | 03/07/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 03/07/25 | 03/07/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 2.4 | 03/07/25 | 03/07/25 |
| Ethanol | ND | | ug/L | 500 | 93 | 03/07/25 | 03/07/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 1.5 | 03/07/25 | 03/07/25 |
| Isopropanol (IPA) | ND | | ug/L | 200 | 21 | 03/07/25 | 03/07/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.9 | 03/07/25 | 03/07/25 |
| Vinyl Acetate | ND | | ug/L | 50 | 2.6 | 03/07/25 | 03/07/25 |
| Acrolein | ND | | ug/L | 200 | 4.2 | 03/07/25 | 03/07/25 |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 03/07/25 | 03/07/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 03/07/25 | 03/07/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/07/25 | 03/07/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 03/07/25 | 03/07/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| Iodomethane | ND | | ug/L | 5.0 | | 03/07/25 | 03/07/25 |
| Acetone | ND | | ug/L | 100 | 17 | 03/07/25 | 03/07/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 03/07/25 | 03/07/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 2-Butanone | ND | | ug/L | 10 | 2.0 | 03/07/25 | 03/07/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 03/07/25 | 03/07/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.4 | 03/07/25 | 03/07/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |

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## Batch QC

| QC1236370 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 03/07/25 | 03/07/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/07/25 | 03/07/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 03/07/25 | 03/07/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 03/07/25 | 03/07/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 03/07/25 | 03/07/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 03/07/25 | 03/07/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 03/07/25 | 03/07/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/07/25 | 03/07/25 |
| TIC: | ND | | | | | 03/07/25 | 03/07/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 03/07/25 | 03/07/25 |
| 1,2-Dichloroethane-d4 | 107% | | %REC | 70-130 | | 03/07/25 | 03/07/25 |
| Toluene-d8 | 100% | | %REC | 70-130 | | 03/07/25 | 03/07/25 |
| Bromofluorobenzene | 93% | | %REC | 70-130 | | 03/07/25 | 03/07/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1236480 | Batch: | 365173 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527665-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1236480 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 21.48 | ND | 20.00 | ug/L | 107% | | 70-130 | 1 |
| MTBE | 18.52 | ND | 20.00 | ug/L | 93% | | 75-130 | 1 |
| Benzene | 17.98 | ND | 20.00 | ug/L | 90% | | 70-130 | 1 |
| Trichloroethene | 20.31 | ND | 20.00 | ug/L | 102% | | 63-130 | 1 |
| Toluene | 18.72 | ND | 20.00 | ug/L | 94% | | 70-130 | 1 |
| Chlorobenzene | 19.65 | ND | 20.00 | ug/L | 98% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 54.34 | | 50.00 | ug/L | 109% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 55.94 | | 50.00 | ug/L | 112% | | 70-130 | 1 |
| Toluene-d8 | 49.95 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| Bromofluorobenzene | 48.52 | | 50.00 | ug/L | 97% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1236481 | Batch: | 365173 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527665-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1236481 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 21.86 | ND | 20.00 | ug/L | 109% | | 70-130 | 2 | 30 | 1 |
| MTBE | 19.14 | ND | 20.00 | ug/L | 96% | | 75-130 | 3 | 30 | 1 |
| Benzene | 18.43 | ND | 20.00 | ug/L | 92% | | 70-130 | 2 | 30 | 1 |
| Trichloroethene | 19.69 | ND | 20.00 | ug/L | 98% | | 63-130 | 3 | 30 | 1 |
| Toluene | 18.77 | ND | 20.00 | ug/L | 94% | | 70-130 | 0 | 30 | 1 |
| Chlorobenzene | 19.80 | ND | 20.00 | ug/L | 99% | | 70-130 | 1 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 53.69 | | 50.00 | ug/L | 107% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 55.05 | | 50.00 | ug/L | 110% | | 70-130 | | | 1 |
| Toluene-d8 | 49.21 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Bromofluorobenzene | 46.75 | | 50.00 | ug/L | 93% | | 70-130 | | | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1236793 | Batch: | 365282 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1236793 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.87 | 50.00 | ug/L | 102% | | 70-135 |
| MTBE | 44.73 | 50.00 | ug/L | 89% | | 70-130 |
| Benzene | 42.77 | 50.00 | ug/L | 86% | | 70-130 |
| Trichloroethene | 46.35 | 50.00 | ug/L | 93% | | 70-130 |
| Toluene | 43.96 | 50.00 | ug/L | 88% | | 70-130 |
| Chlorobenzene | 45.71 | 50.00 | ug/L | 91% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 53.28 | 50.00 | ug/L | 107% | | 70-130 |
| 1,2-Dichloroethane-d4 | 55.06 | 50.00 | ug/L | 110% | | 70-130 |
| Toluene-d8 | 49.53 | 50.00 | ug/L | 99% | | 70-130 |
| Bromofluorobenzene | 46.16 | 50.00 | ug/L | 92% | | 70-130 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1236794** | **Batch:** | **365282** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1236794 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 53.08 | 50.00 | ug/L | 106% | | 70-135 | 4 | 30 |
| MTBE | 46.42 | 50.00 | ug/L | 93% | | 70-130 | 4 | 30 |
| Benzene | 45.47 | 50.00 | ug/L | 91% | | 70-130 | 6 | 30 |
| Trichloroethene | 49.29 | 50.00 | ug/L | 99% | | 70-130 | 6 | 30 |
| Toluene | 46.19 | 50.00 | ug/L | 92% | | 70-130 | 5 | 30 |
| Chlorobenzene | 48.14 | 50.00 | ug/L | 96% | | 70-130 | 5 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.77 | 50.00 | ug/L | 104% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 52.36 | 50.00 | ug/L | 105% | | 70-130 | | |
| Toluene-d8 | 49.56 | 50.00 | ug/L | 99% | | 70-130 | | |
| Bromofluorobenzene | 45.89 | 50.00 | ug/L | 92% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1236796** | **Batch:** | **365282** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1236796 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Chloroprene | ND | | ug/L | 200 | 0.4 | 03/08/25 | 03/08/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 03/08/25 | 03/08/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 2.4 | 03/08/25 | 03/08/25 |
| Ethanol | ND | | ug/L | 500 | 93 | 03/08/25 | 03/08/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 1.5 | 03/08/25 | 03/08/25 |
| Isopropanol (IPA) | ND | | ug/L | 200 | 21 | 03/08/25 | 03/08/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.9 | 03/08/25 | 03/08/25 |
| Vinyl Acetate | ND | | ug/L | 50 | 2.6 | 03/08/25 | 03/08/25 |
| Acrolein | ND | | ug/L | 200 | 4.2 | 03/08/25 | 03/08/25 |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 03/08/25 | 03/08/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 03/08/25 | 03/08/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/08/25 | 03/08/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 03/08/25 | 03/08/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| Iodomethane | ND | | ug/L | 5.0 | | 03/08/25 | 03/08/25 |
| Acetone | ND | | ug/L | 100 | 17 | 03/08/25 | 03/08/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 03/08/25 | 03/08/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 2-Butanone | ND | | ug/L | 10 | 2.0 | 03/08/25 | 03/08/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 03/08/25 | 03/08/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.4 | 03/08/25 | 03/08/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |

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## Batch QC

| QC1236796 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 03/08/25 | 03/08/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/08/25 | 03/08/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 03/08/25 | 03/08/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 03/08/25 | 03/08/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 03/08/25 | 03/08/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 03/08/25 | 03/08/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 03/08/25 | 03/08/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/08/25 | 03/08/25 |
| TIC: | ND | | | | | 03/08/25 | 03/08/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 104% | | %REC | 70-130 | | 03/08/25 | 03/08/25 |
| 1,2-Dichloroethane-d4 | 107% | | %REC | 70-130 | | 03/08/25 | 03/08/25 |
| Toluene-d8 | 101% | | %REC | 70-130 | | 03/08/25 | 03/08/25 |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 03/08/25 | 03/08/25 |

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1236860 | Batch: | 365282 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527941-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1236860 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 22.43 | ND | 20.00 | ug/L | 112% | | 70-130 | 1 |
| MTBE | 18.04 | ND | 20.00 | ug/L | 90% | | 75-130 | 1 |
| Benzene | 19.05 | ND | 20.00 | ug/L | 95% | | 70-130 | 1 |
| Trichloroethene | 20.21 | ND | 20.00 | ug/L | 101% | | 63-130 | 1 |
| Toluene | 19.03 | ND | 20.00 | ug/L | 95% | | 70-130 | 1 |
| Chlorobenzene | 19.68 | ND | 20.00 | ug/L | 98% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.81 | | 50.00 | ug/L | 108% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 55.77 | | 50.00 | ug/L | 112% | | 70-130 | 1 |
| Toluene-d8 | 49.84 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| Bromofluorobenzene | 47.59 | | 50.00 | ug/L | 95% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1236861 | Batch: | 365282 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527941-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1236861 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 20.66 | ND | 20.00 | ug/L | 103% | | 70-130 | 8 | 30 | 1 |
| MTBE | 17.18 | ND | 20.00 | ug/L | 86% | | 75-130 | 5 | 30 | 1 |
| Benzene | 17.49 | ND | 20.00 | ug/L | 87% | | 70-130 | 9 | 30 | 1 |
| Trichloroethene | 18.01 | ND | 20.00 | ug/L | 90% | | 63-130 | 11 | 30 | 1 |
| Toluene | 17.61 | ND | 20.00 | ug/L | 88% | | 70-130 | 8 | 30 | 1 |
| Chlorobenzene | 18.30 | ND | 20.00 | ug/L | 91% | | 70-130 | 7 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 52.77 | | 50.00 | ug/L | 106% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 54.42 | | 50.00 | ug/L | 109% | | 70-130 | | | 1 |
| Toluene-d8 | 49.12 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Bromofluorobenzene | 47.15 | | 50.00 | ug/L | 94% | | 70-130 | | | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1236402 | **Batch:** 365181 | |
| **Matrix:** Water | **Method:** EPA 8270C | **Prep Method:** EPA 3510C | |

| QC1236402 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbazole | ND | | ug/L | 10 | 1.4 | 03/07/25 | 03/07/25 |
| Pyridine | ND | | ug/L | 10 | 1.7 | 03/07/25 | 03/07/25 |
| N-Nitrosodimethylamine | ND | | ug/L | 10 | 1.4 | 03/07/25 | 03/07/25 |
| Phenol | ND | | ug/L | 10 | 0.77 | 03/07/25 | 03/07/25 |
| Aniline | ND | | ug/L | 10 | 1.7 | 03/07/25 | 03/07/25 |
| bis(2-Chloroethyl)ether | ND | | ug/L | 25 | 1.2 | 03/07/25 | 03/07/25 |
| 2-Chlorophenol | ND | | ug/L | 10 | 1.4 | 03/07/25 | 03/07/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 10 | 1.2 | 03/07/25 | 03/07/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 10 | 1.2 | 03/07/25 | 03/07/25 |
| Benzyl alcohol | ND | | ug/L | 10 | 2.0 | 03/07/25 | 03/07/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 10 | 1.5 | 03/07/25 | 03/07/25 |
| Hexachloroethane | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| Nitrobenzene | ND | | ug/L | 25 | 1.2 | 03/07/25 | 03/07/25 |
| Isophorone | ND | | ug/L | 10 | 2.2 | 03/07/25 | 03/07/25 |
| 2-Nitrophenol | ND | | ug/L | 10 | 2.2 | 03/07/25 | 03/07/25 |
| 2,4-Dimethylphenol | ND | | ug/L | 10 | 1.8 | 03/07/25 | 03/07/25 |
| Benzoic acid | ND | | ug/L | 50 | 6.3 | 03/07/25 | 03/07/25 |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 10 | 1.5 | 03/07/25 | 03/07/25 |
| 2,4-Dichlorophenol | ND | | ug/L | 10 | 2.2 | 03/07/25 | 03/07/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| Naphthalene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| 4-Chloroaniline | ND | | ug/L | 10 | 1.7 | 03/07/25 | 03/07/25 |
| Hexachlorobutadiene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| 4-Chloro-3-methylphenol | ND | | ug/L | 10 | 2.0 | 03/07/25 | 03/07/25 |
| 2-Methylnaphthalene | ND | | ug/L | 10 | 0.87 | 03/07/25 | 03/07/25 |
| Hexachlorocyclopentadiene | ND | | ug/L | 25 | 8.8 | 03/07/25 | 03/07/25 |
| 2,4,6-Trichlorophenol | ND | | ug/L | 10 | 2.4 | 03/07/25 | 03/07/25 |
| 2,4,5-Trichlorophenol | ND | | ug/L | 10 | 2.7 | 03/07/25 | 03/07/25 |
| 2-Chloronaphthalene | ND | | ug/L | 10 | 0.85 | 03/07/25 | 03/07/25 |
| 2-Nitroaniline | ND | | ug/L | 50 | 1.9 | 03/07/25 | 03/07/25 |
| Dimethylphthalate | ND | | ug/L | 10 | 1.7 | 03/07/25 | 03/07/25 |
| Acenaphthylene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| 2,6-Dinitrotoluene | ND | | ug/L | 10 | 1.6 | 03/07/25 | 03/07/25 |
| 3-Nitroaniline | ND | | ug/L | 10 | 2.3 | 03/07/25 | 03/07/25 |
| Acenaphthene | ND | | ug/L | 10 | 0.86 | 03/07/25 | 03/07/25 |
| 2,4-Dinitrophenol | ND | | ug/L | 50 | 9.9 | 03/07/25 | 03/07/25 |
| 4-Nitrophenol | ND | | ug/L | 10 | 2.2 | 03/07/25 | 03/07/25 |
| Dibenzofuran | ND | | ug/L | 10 | 0.88 | 03/07/25 | 03/07/25 |
| 2,4-Dinitrotoluene | ND | | ug/L | 10 | 1.5 | 03/07/25 | 03/07/25 |
| Diethylphthalate | ND | | ug/L | 10 | 1.6 | 03/07/25 | 03/07/25 |
| Fluorene | ND | | ug/L | 10 | 0.92 | 03/07/25 | 03/07/25 |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 10 | 0.84 | 03/07/25 | 03/07/25 |
| 4-Nitroaniline | ND | | ug/L | 10 | 4.2 | 03/07/25 | 03/07/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1236402 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 50 | 2.5 | 03/07/25 | 03/07/25 |
| N-Nitrosodiphenylamine | ND | | ug/L | 10 | 2.4 | 03/07/25 | 03/07/25 |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| 4-Bromophenyl-phenylether | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| Hexachlorobenzene | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| Pentachlorophenol | ND | | ug/L | 25 | 10 | 03/07/25 | 03/07/25 |
| Phenanthrene | ND | | ug/L | 10 | 0.99 | 03/07/25 | 03/07/25 |
| Anthracene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| Di-n-butylphthalate | ND | | ug/L | 10 | 1.9 | 03/07/25 | 03/07/25 |
| Fluoranthene | ND | | ug/L | 10 | 1.2 | 03/07/25 | 03/07/25 |
| Benzidine | ND | | ug/L | 50 | 7.6 | 03/07/25 | 03/07/25 |
| Pyrene | ND | | ug/L | 10 | 1.2 | 03/07/25 | 03/07/25 |
| Butylbenzylphthalate | ND | | ug/L | 10 | 2.6 | 03/07/25 | 03/07/25 |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 25 | 7.2 | 03/07/25 | 03/07/25 |
| Benzo(a)anthracene | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| Chrysene | ND | | ug/L | 10 | 1.4 | 03/07/25 | 03/07/25 |
| bis(2-Ethylhexyl)phthalate | 3.3 | J | ug/L | 10 | 2.8 | 03/07/25 | 03/07/25 |
| Di-n-octylphthalate | ND | | ug/L | 10 | 5.9 | 03/07/25 | 03/07/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 10 | 1.9 | 03/07/25 | 03/07/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 10 | 2.6 | 03/07/25 | 03/07/25 |
| Benzo(a)pyrene | ND | | ug/L | 10 | 1.5 | 03/07/25 | 03/07/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 10 | 5.2 | 03/07/25 | 03/07/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 10 | 4.2 | 03/07/25 | 03/07/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 10 | 1.6 | 03/07/25 | 03/07/25 |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| TIC:Acetophenone | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| TIC:Chlorobenzilate | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| TIC:Diallate | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| TIC:Thionazin | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 03/07/25 | 03/07/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 40% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| Phenol-d6 | 25% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| 2,4,6-Tribromophenol | 51% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| Nitrobenzene-d5 | 59% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| 2-Fluorobiphenyl | 53% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| Terphenyl-d14 | 66% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1236403** | **Batch:** | **365181** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1236403 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 22.69 | 75.00 | ug/L | 30% | | 13-120 |
| 2-Chlorophenol | 45.39 | 75.00 | ug/L | 61% | | 31-120 |
| 1,4-Dichlorobenzene | 43.62 | 75.00 | ug/L | 58% | | 24-120 |
| 3-,4-Methylphenol | 45.48 | 75.00 | ug/L | 61% | | 29-120 |
| N-Nitroso-di-n-propylamine | 57.22 | 75.00 | ug/L | 76% | | 32-120 |
| 2,4-Dimethylphenol | 52.15 | 75.00 | ug/L | 70% | | 25-120 |
| 1,2,4-Trichlorobenzene | 44.70 | 75.00 | ug/L | 60% | | 26-120 |
| 4-Chloro-3-methylphenol | 55.85 | 75.00 | ug/L | 74% | | 39-120 |
| 2,4,5-Trichlorophenol | 52.47 | 75.00 | ug/L | 70% | | 38-120 |
| Acenaphthene | 49.80 | 75.00 | ug/L | 66% | | 33-120 |
| 4-Nitrophenol | 33.08 | 75.00 | ug/L | 44% | | 12-120 |
| 2,4-Dinitrotoluene | 59.93 | 75.00 | ug/L | 80% | | 46-120 |
| Pentachlorophenol | 52.09 | 75.00 | ug/L | 69% | | 37-120 |
| Pyrene | 57.41 | 75.00 | ug/L | 77% | | 47-120 |
| Chrysene | 59.63 | 75.00 | ug/L | 80% | | 48-120 |
| Benzo(b)fluoranthene | 60.60 | 75.00 | ug/L | 81% | | 46-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 16.86 | 40.00 | ug/L | 42% | | 20-140 |
| Phenol-d6 | 11.19 | 40.00 | ug/L | 28% | | 20-140 |
| 2,4,6-Tribromophenol | 28.91 | 40.00 | ug/L | 72% | | 20-140 |
| Nitrobenzene-d5 | 28.08 | 40.00 | ug/L | 70% | | 20-140 |
| 2-Fluorobiphenyl | 24.14 | 40.00 | ug/L | 60% | | 20-140 |
| Terphenyl-d14 | 27.11 | 40.00 | ug/L | 68% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1236404** | **Batch:** | **365181** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1236404 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 22.36 | 75.00 | ug/L | 30% | | 13-120 | 1 | 62 |
| 2-Chlorophenol | 44.40 | 75.00 | ug/L | 59% | | 31-120 | 2 | 62 |
| 1,4-Dichlorobenzene | 42.56 | 75.00 | ug/L | 57% | | 24-120 | 2 | 64 |
| 3-,4-Methylphenol | 44.09 | 75.00 | ug/L | 59% | | 29-120 | 3 | 62 |
| N-Nitroso-di-n-propylamine | 57.52 | 75.00 | ug/L | 77% | | 32-120 | 1 | 65 |
| 2,4-Dimethylphenol | 52.23 | 75.00 | ug/L | 70% | | 25-120 | 0 | 64 |
| 1,2,4-Trichlorobenzene | 44.35 | 75.00 | ug/L | 59% | | 26-120 | 1 | 63 |
| 4-Chloro-3-methylphenol | 56.54 | 75.00 | ug/L | 75% | | 39-120 | 1 | 58 |
| 2,4,5-Trichlorophenol | 53.77 | 75.00 | ug/L | 72% | | 38-120 | 2 | 59 |
| Acenaphthene | 51.96 | 75.00 | ug/L | 69% | | 33-120 | 4 | 52 |
| 4-Nitrophenol | 33.32 | 75.00 | ug/L | 44% | | 12-120 | 1 | 63 |
| 2,4-Dinitrotoluene | 62.77 | 75.00 | ug/L | 84% | | 46-120 | 5 | 41 |
| Pentachlorophenol | 53.49 | 75.00 | ug/L | 71% | | 37-120 | 3 | 42 |
| Pyrene | 60.74 | 75.00 | ug/L | 81% | | 47-120 | 6 | 43 |
| Chrysene | 61.64 | 75.00 | ug/L | 82% | | 48-120 | 3 | 46 |
| Benzo(b)fluoranthene | 64.83 | 75.00 | ug/L | 86% | | 46-120 | 7 | 47 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 16.39 | 40.00 | ug/L | 41% | | 20-140 | | |
| Phenol-d6 | 11.28 | 40.00 | ug/L | 28% | | 20-140 | | |
| 2,4,6-Tribromophenol | 30.42 | 40.00 | ug/L | 76% | | 20-140 | | |
| Nitrobenzene-d5 | 28.13 | 40.00 | ug/L | 70% | | 20-140 | | |
| 2-Fluorobiphenyl | 24.83 | 40.00 | ug/L | 62% | | 20-140 | | |
| Terphenyl-d14 | 29.44 | 40.00 | ug/L | 74% | | 20-140 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1238295 | | **Batch:** 365723 |
| **Matrix:** Water | **Method:** EPA 8270C-SIM | | **Prep Method:** EPA 3510C |

| QC1238295 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | | ug/L | 0.50 | 0.19 | 03/12/25 | 03/13/25 |
| 2-Methylnaphthalene | ND | | ug/L | 0.50 | 0.24 | 03/12/25 | 03/13/25 |
| Naphthalene | ND | | ug/L | 0.50 | 0.20 | 03/12/25 | 03/13/25 |
| Acenaphthylene | ND | | ug/L | 0.50 | 0.21 | 03/12/25 | 03/13/25 |
| Acenaphthene | ND | | ug/L | 0.50 | 0.17 | 03/12/25 | 03/13/25 |
| Fluorene | ND | | ug/L | 0.50 | 0.17 | 03/12/25 | 03/13/25 |
| Phenanthrene | ND | | ug/L | 0.50 | 0.19 | 03/12/25 | 03/13/25 |
| Anthracene | ND | | ug/L | 0.50 | 0.18 | 03/12/25 | 03/13/25 |
| Fluoranthene | ND | | ug/L | 0.50 | 0.17 | 03/12/25 | 03/13/25 |
| Pyrene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(a)anthracene | ND | | ug/L | 0.50 | 0.15 | 03/12/25 | 03/13/25 |
| Chrysene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(a)pyrene | ND | | ug/L | 0.50 | 0.13 | 03/12/25 | 03/13/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.50 | 0.14 | 03/12/25 | 03/13/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.50 | 0.19 | 03/12/25 | 03/13/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.50 | 0.20 | 03/12/25 | 03/13/25 |
| **Surrogates** | | | | **Limits** | | | |
| Nitrobenzene-d5 | 80% | | %REC | 16-125 | | 03/12/25 | 03/13/25 |
| 2-Fluorobiphenyl | 79% | | %REC | 17-120 | | 03/12/25 | 03/13/25 |
| Terphenyl-d14 | 96% | | %REC | 39-123 | | 03/12/25 | 03/13/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238296** | **Batch:** | **365723** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1238296 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.179 | 4.000 | ug/L | 79% | | 23-120 |
| 2-Methylnaphthalene | 3.094 | 4.000 | ug/L | 77% | | 33-120 |
| Naphthalene | 3.072 | 4.000 | ug/L | 77% | | 38-120 |
| Acenaphthylene | 3.059 | 4.000 | ug/L | 76% | | 37-120 |
| Acenaphthene | 2.980 | 4.000 | ug/L | 74% | | 39-120 |
| Fluorene | 3.136 | 4.000 | ug/L | 78% | | 43-120 |
| Phenanthrene | 3.113 | 4.000 | ug/L | 78% | | 42-120 |
| Anthracene | 3.196 | 4.000 | ug/L | 80% | | 42-120 |
| Fluoranthene | 3.230 | 4.000 | ug/L | 81% | | 48-120 |
| Pyrene | 3.235 | 4.000 | ug/L | 81% | | 44-120 |
| Benzo(a)anthracene | 3.419 | 4.000 | ug/L | 85% | | 51-126 |
| Chrysene | 3.393 | 4.000 | ug/L | 85% | | 47-120 |
| Benzo(b)fluoranthene | 3.207 | 4.000 | ug/L | 80% | | 44-127 |
| Benzo(k)fluoranthene | 3.253 | 4.000 | ug/L | 81% | | 43-127 |
| Benzo(a)pyrene | 3.181 | 4.000 | ug/L | 80% | | 29-124 |
| Indeno(1,2,3-cd)pyrene | 3.666 | 4.000 | ug/L | 92% | | 44-127 |
| Dibenz(a,h)anthracene | 3.744 | 4.000 | ug/L | 94% | | 55-120 |
| Benzo(g,h,i)perylene | 3.715 | 4.000 | ug/L | 93% | | 46-120 |
| **Surrogates** | | | | | | |
| Nitrobenzene-d5 | 3.001 | 4.000 | ug/L | 75% | | 16-125 |
| 2-Fluorobiphenyl | 3.042 | 4.000 | ug/L | 76% | | 17-120 |
| Terphenyl-d14 | 3.532 | 4.000 | ug/L | 88% | | 39-123 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1238297** | **Batch:** | **365723** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1238297 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.347 | 4.000 | ug/L | 84% | | 23-120 | 5 | 20 |
| 2-Methylnaphthalene | 3.263 | 4.000 | ug/L | 82% | | 33-120 | 5 | 20 |
| Naphthalene | 3.236 | 4.000 | ug/L | 81% | | 38-120 | 5 | 20 |
| Acenaphthylene | 3.309 | 4.000 | ug/L | 83% | | 37-120 | 8 | 20 |
| Acenaphthene | 3.141 | 4.000 | ug/L | 79% | | 39-120 | 5 | 20 |
| Fluorene | 3.327 | 4.000 | ug/L | 83% | | 43-120 | 6 | 20 |
| Phenanthrene | 3.185 | 4.000 | ug/L | 80% | | 42-120 | 2 | 20 |
| Anthracene | 3.277 | 4.000 | ug/L | 82% | | 42-120 | 3 | 20 |
| Fluoranthene | 3.226 | 4.000 | ug/L | 81% | | 48-120 | 0 | 20 |
| Pyrene | 3.224 | 4.000 | ug/L | 81% | | 44-120 | 0 | 20 |
| Benzo(a)anthracene | 3.470 | 4.000 | ug/L | 87% | | 51-126 | 1 | 20 |
| Chrysene | 3.473 | 4.000 | ug/L | 87% | | 47-120 | 2 | 20 |
| Benzo(b)fluoranthene | 3.300 | 4.000 | ug/L | 83% | | 44-127 | 3 | 20 |
| Benzo(k)fluoranthene | 3.375 | 4.000 | ug/L | 84% | | 43-127 | 4 | 20 |
| Benzo(a)pyrene | 3.345 | 4.000 | ug/L | 84% | | 29-124 | 5 | 20 |
| Indeno(1,2,3-cd)pyrene | 3.619 | 4.000 | ug/L | 90% | | 44-127 | 1 | 20 |
| Dibenz(a,h)anthracene | 3.687 | 4.000 | ug/L | 92% | | 55-120 | 2 | 20 |
| Benzo(g,h,i)perylene | 3.675 | 4.000 | ug/L | 92% | | 46-120 | 1 | 20 |
| **Surrogates** | | | | | | | | |
| Nitrobenzene-d5 | 3.174 | 4.000 | ug/L | 79% | | 16-125 | | |
| 2-Fluorobiphenyl | 3.247 | 4.000 | ug/L | 81% | | 17-120 | | |
| Terphenyl-d14 | 3.526 | 4.000 | ug/L | 88% | | 39-123 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1237381** | **Batch:** | **365426** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1237381 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 03/10/25 | 03/10/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1237382** | **Batch:** | **365426** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1237382 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Cyanide | 0.09542 | 0.1000 | mg/L | 95% | | 76-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1237383** | **Batch:** | **365426** |
| **Matrix (Source ID):** | **Water (528033-001)** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1237383 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.09995 | 0.002987 | 0.1000 | mg/L | 97% | | 65-121 | 0.5 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1237384 | Batch: | 365426 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528033-001) | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1237384 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.1016 | 0.002987 | 0.1000 | mg/L | 99% | | 65-121 | 2 | 30 | 0.5 |

| Type: | Blank | Lab ID: | QC1238180 | Batch: | 365688 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1238180 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/12/25 | 03/12/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238183 | Batch: | 365688 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1238183 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1238184 | Batch: | 365688 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528033-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1238184 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238185 | Batch: | 365688 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528033-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1238185 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

| | |
|---|---|
| # | CCV drift outside limits; average CCV drift within limits per method requirements |
| * | Value is outside QC limits |
| DO | Diluted Out |
| E | Response exceeds instrument's linear range |
| J | Estimated value |
| ND | Not Detected |
| NM | Not Meaningful |
| b | See narrative |

**Laboratory Job Number 528033**

**Subcontracted Products**

**Pace Laboratories**

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 20, 2025

Zach Barker
Enthalpy Analytical
931 W Barkley Ave
Orange, CA 92868

RE: Project: 528033
Pace Project No.: 30763889

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on March 08, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

The samples will be subcontracted to Pace Bakersfield for analysis. Results of the analysis are reported on the Pace Bakersfield data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Sophia Baughman, Enthalpy Analytical
Diane Galvan, Enthalpy Analytical
Brenda Hamilton, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

**REPORT OF LABORATORY ANALYSIS**

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**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## SAMPLE SUMMARY

Project: 528033
Pace Project No.: 30763889

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **30763889001** | **SOUTH BASIN- WESTERN INLET** | Water | 03/05/25 10:40 | 03/08/25 09:47 |
| **30763889002** | **SOUTH BASIN- EASTERN INLET** | Water | 03/05/25 11:00 | 03/08/25 09:47 |

**REPORT OF LABORATORY ANALYSIS**

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ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2503923

25-03923

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528033
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 05-MAR-2025 10:40 | 528033-001 | 1 | Water | Organophosphorus Pesticides | -1 |
| SOUTH BASIN - EASTERN INLET | 05-MAR-2025 11:00 | 528033-002 | 1 | Water | Organophosphorus Pesticides | -2 |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | D. Dinkgreve EA-ORA | |
| | Date: 3/7/25 1510 | Date: 3/8/25 0947 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

CHK BY MPI
DISTRIBUTION SLM
SUB OUT

MPI 3/10
DISTRIBUTION
SUB OUT

PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1

Submission #: 25-083923

**SHIPPING INFORMATION**
Fed Ex ☑ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☑ None ☐ Box ☑
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☑
W / S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 366

Temperature: (A) 3.2 °C / (C) 3.1 °C

Date/Time 3-8-25

Analyst Init: SMH 0947

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | A | A | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:
Sample Numbering Completed By: TDC Date/Time: 3/9/25 1301
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC.rev.20]

Date of Report: 03/19/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

| | |
|---|---|
| Client Project: | [none] |
| Pace Project: | Chiquita Canyon Landfill Stormwater |
| Pace Work Order: | 2503923 |
| Invoice ID: | B513764 |

Enclosed are the results of analyses for samples received by the laboratory on 3/8/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Steven Bennett
Operations Manager

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# Internal Transfer Chain of Custody 2503923

Pace Analytical ENVIRONMENTAL SCIENCES

Pace

☐ Rush Multiplier_____X
☐ Samples Pre-Logged into eCOC

**Cert. Needed:** ☐ Yes ☐ No

**Workorder:** 30763889 **Workorder Name:** 528033 **Owner Received Date:** 3/8/2025 **Results Requested By:** 3/24/2025

| Report To | Subcontract To |
|---|---|
| Nikayla M. Yasurek<br>Pace Analytical Pittsburgh<br>1638 Roseytown Road<br>Suites 2,3,4<br>Greensburg, PA 15601<br>Phone (724)850-5600 | Pace Analytical Bakersfield<br>4100 Atlas Court<br>Bakersfield, CA 93313<br>Phone (661)327-4911 |

| Item | Sample ID | Sample Type | Collect Date/Time | Lab ID | Matrix | Preserved Containers: HCL | Requested Analysis: Organophosphorus Pesticides | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN- WESTERN INLET | PS | 3/5/2025 10:40 | 30763889001 | Water | 1 | X | |
| 2 | SOUTH BASIN- EASTERN INLET | PS | 3/5/2025 11:00 | 30763889002 | Water | 1 | X | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

| Transfers | Released By | Date/Time | Received By | Date/Time |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |

**Comments**

**Cooler Temperature on Receipt** _____ °C | **Custody Seal** Y or N | **Received on Ice** Y or N | **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
*This chain of custody is considered complete as is since this information is available in the owner laboratory.*



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*
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Pace®

**Ship To:**
Pace Analytical Bakersfield
4100 Atlas Court
Bakersfield, CA 93313
Phone (661)327-4911

**INTER_LABORATORY WORK ORDER # 30763889**
(To be completed by sending lab)

| | |
|---|---|
| Sending Project No: | 30763889 |
| Receiving Project No: | |
| Check Box for Consolidated Invoice: | ☐ |
| Date Prepared: | 03/17/25 |
| **REQUESTED COMPLETION DATE:** | **3/24/2025** |

| | | | |
|---|---|---|---|
| Sending Region | IR30-Pittsburgh | Sending Project Mgr. | Nikayla M. Yasurek |
| Receiving Region | S870 | External Client | Enthalpy Analytical |
| State of Sample Origin | | QC Deliverable | STD REPORT |

**All questions should be addressed to sending project manager.**

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

**WORK REQUESTED**

| Method Description | Container Type | Quantity of containers | Preservative | Quantity of Samples | Acode | Acode Desc |
|---|---|---|---|---|---|---|
| Organophosphorus Pesticides | DG9H | | HCL | 2 | SI-33GCV | SUB PASI GCV |

**Special Requirements:** Report C, QC Limits (C),CA PWS CLIP (1687),PEG Level LE (1550)

**FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO**

Return Samples to Sending Region: ☐ Yes ☐ No

**DISPOSITION of FORM**

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.



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ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

**2503923**

25-03923

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528033
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 05-MAR-2025 10:40 | 528033-001 | 1 | Water | Organophosphorus Pesticides | -1 |
| SOUTH BASIN - EASTERN INLET | 05-MAR-2025 11:00 | 528033-002 | 1 | Water | Organophosphorus Pesticides | -2 |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Winterson EA-ORA | |
| | Date: 3/7/25 1510 | Date: 3/8/25 0947 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

CHK BY MPT
DISTRIBUTION SLM
SUB OUT

DISTRIBUTION LMH 3/10
SUB OUT

1 of 1

| PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1 |
|---|---|---|
| Submission #: 25-03923 | | |

| SHIPPING INFORMATION | SHIPPING CONTAINER | FREE LIQUID |
|---|---|---|
| Fed Ex ☑ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ | Ice Chest ☑ None ☐ Box ☑ | YES ☐ NO ☑ |
| Pace Lab Field Service ☐ Other ☐ (Specify)_____ | Other ☐ (Specify)_____ | W / S |

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 366 Date/Time 3-8-25

Temperature: (A) 3.2 °C / (C) 3.1 °C Analyst Init SMH 0947

| SAMPLE CONTAINERS | SAMPLE NUMBERS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | A | A | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:

Sample Numbering Completed By: TDC Date/Time: 3/9/25 1300

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **2503923-01** | **COC Number:** | --- | **Receive Date:** | 03/08/2025 09:47 |
| | **Project Number:** | --- | **Sampling Date:** | 03/05/2025 10:40 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SOUTH BASIN-WESTERN INLET | **Lab Matrix:** | Water |
| | **Sampled By:** | client | **Sample Type:** | Water |
| **2503923-02** | **COC Number:** | --- | **Receive Date:** | 03/08/2025 09:47 |
| | **Project Number:** | --- | **Sampling Date:** | 03/05/2025 11:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SOUTH BASIN-EASTERN INLET | **Lab Matrix:** | Water |
| | **Sampled By:** | client | **Sample Type:** | Water |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2503923-01 | **Client Sample Name:** SOUTH BASIN-WESTERN INLET, 3/5/2025 10:40:00AM, client

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 0.50 | 0.12 | EPA-8141A | ND | | 1 |
| Bolstar | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Coumaphos | ND | ug/L | 0.50 | 0.11 | EPA-8141A | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.20 | 0.056 | EPA-8141A | ND | | 1 |
| Diazinon | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Disulfoton | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Ethoprop | ND | ug/L | 0.20 | 0.052 | EPA-8141A | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.20 | 0.051 | EPA-8141A | ND | | 1 |
| Fenthion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Merphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Mevinphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Naled | ND | ug/L | 0.50 | 0.17 | EPA-8141A | ND | | 1 |
| Phorate | ND | ug/L | 0.20 | 0.066 | EPA-8141A | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.20 | 0.082 | EPA-8141A | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Trichloronate | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Triphenylphosphate (Surrogate) | 43.8 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | S09 | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 03/12/25 17:35 | 03/19/25 05:27 | HAH | GC-18 | 1 | B208288 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2503923-02 | **Client Sample Name:** SOUTH BASIN-EASTERN INLET, 3/5/2025 11:00:00AM, client

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 0.50 | 0.12 | EPA-8141A | ND | | 1 |
| Bolstar | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Coumaphos | ND | ug/L | 0.50 | 0.11 | EPA-8141A | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.20 | 0.056 | EPA-8141A | ND | | 1 |
| Diazinon | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Disulfoton | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Ethoprop | ND | ug/L | 0.20 | 0.052 | EPA-8141A | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.20 | 0.051 | EPA-8141A | ND | | 1 |
| Fenthion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Merphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Mevinphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Naled | ND | ug/L | 0.50 | 0.17 | EPA-8141A | ND | | 1 |
| Phorate | ND | ug/L | 0.20 | 0.066 | EPA-8141A | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.20 | 0.082 | EPA-8141A | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Trichloronate | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Triphenylphosphate (Surrogate) | 68.0 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 03/12/25 17:35 | 03/19/25 05:57 | HAH | GC-18 | 1 | B208288 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|
| **QC Batch ID: B208288** | | | | | | | |
| Azinphos methyl | B208288-BLK1 | ND | ug/L | 0.50 | 0.12 | | 1 |
| Bolstar | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Chlorpyrifos | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Coumaphos | B208288-BLK1 | ND | ug/L | 0.50 | 0.11 | | 1 |
| Demeton O/S | B208288-BLK1 | ND | ug/L | 0.20 | 0.056 | | 1 |
| Diazinon | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Dichlorvos | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Disulfoton | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Ethoprop | B208288-BLK1 | ND | ug/L | 0.20 | 0.052 | | 1 |
| Fensulfothion | B208288-BLK1 | ND | ug/L | 0.20 | 0.051 | | 1 |
| Fenthion | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Merphos | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Methyl parathion | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Mevinphos | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Naled | B208288-BLK1 | ND | ug/L | 0.50 | 0.17 | | 1 |
| Phorate | B208288-BLK1 | ND | ug/L | 0.20 | 0.066 | | 1 |
| Ronnel (Fenchlorphos) | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Stirophos (Tetrachlorvinphos) | B208288-BLK1 | ND | ug/L | 0.20 | 0.082 | | 1 |
| Tokuthion (Prothiofos) | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Trichloronate | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| **Triphenylphosphate (Surrogate)** | **B208288-BLK1** | **117** | % | **50 - 130 (LCL - UCL)** | | | 1 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B208288-BLK1 | PB | EPA-8141A | 03/12/25 | 03/19/25 03:59 | HAH | GC-18 | 1 |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*
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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: B208288** | | | | | | | | | | | |
| Bolstar | B208288-BS1 | LCS | 2.3300 | 2.0000 | ug/L | 116 | | 50 - 130 | | | 1 |
| | B208288-BSD1 | LCSD | 2.4250 | 2.0000 | ug/L | 121 | 4.0 | 50 - 130 | 30 | | 2 |
| Chlorpyrifos | B208288-BS1 | LCS | 2.2800 | 2.0000 | ug/L | 114 | | 60 - 120 | | | 1 |
| | B208288-BSD1 | LCSD | 2.2600 | 2.0000 | ug/L | 113 | 0.9 | 60 - 120 | 30 | | 2 |
| Diazinon | B208288-BS1 | LCS | 2.2000 | 2.0000 | ug/L | 110 | | 60 - 130 | | | 1 |
| | B208288-BSD1 | LCSD | 2.1600 | 2.0000 | ug/L | 108 | 1.8 | 60 - 130 | 30 | | 2 |
| Methyl parathion | B208288-BS1 | LCS | 2.1900 | 2.0000 | ug/L | 110 | | 60 - 120 | | | 1 |
| | B208288-BSD1 | LCSD | 2.2350 | 2.0000 | ug/L | 112 | 2.0 | 60 - 120 | 30 | | 2 |
| **Mevinphos** | **B208288-BS1** | LCS | **2.9200** | **2.0000** | **ug/L** | **146** | | **50 - 120** | | **L01** | 1 |
| | **B208288-BSD1** | LCSD | **2.7300** | **2.0000** | **ug/L** | **136** | **6.7** | **50 - 120** | **30** | **L01** | 2 |
| Ronnel (Fenchlorphos) | B208288-BS1 | LCS | 2.3200 | 2.0000 | ug/L | 116 | | 50 - 120 | | | 1 |
| | B208288-BSD1 | LCSD | 2.0350 | 2.0000 | ug/L | 102 | 13.1 | 50 - 120 | 30 | | 2 |
| **Stirophos (Tetrachlorvinphos)** | **B208288-BS1** | LCS | **2.4800** | **2.0000** | **ug/L** | **124** | | **50 - 120** | | **L01** | 1 |
| | **B208288-BSD1** | LCSD | **2.0350** | **2.0000** | **ug/L** | **102** | **19.7** | **50 - 120** | **30** | | 2 |
| Triphenylphosphate (Surrogate) | B208288-BS1 | LCS | 2.9350 | 2.5000 | ug/L | 117 | | 50 - 130 | | | 1 |
| | B208288-BSD1 | LCSD | 2.8100 | 2.5000 | ug/L | 112 | 4.4 | 50 - 130 | | | 2 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B208288-BS1 | LCS | EPA-8141A | 03/12/25 | 03/19/25 04:29 | HAH | GC-18 | 1 |
| 2 | B208288-BSD1 | LCSD | EPA-8141A | 03/12/25 | 03/19/25 04:58 | HAH | GC-18 | 1 |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

## Notes And Definitions

| | |
|---|---|
| MDL | Method Detection Limit |
| ND | Analyte Not Detected |
| PQL | Practical Quantitation Limit |
| L01 | The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits. |
| S09 | The surrogate recovery for this compound was not within the control limits. |

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**Laboratory Job Number 528033**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2503375

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 709649
**Project:** EO-528033

**Project Location:**
**Project Received:** 03/07/2025

Analytical Report reviewed & approved for release on 03/14/2025 by:

Jena Alfaro
Project Manager

***The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.***

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503375

**Project:** EO-528033

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503375

**Project:** EO-528033

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| a3 | Sample diluted due to high organic content interfering with quantitative/or qualitative analysis. |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503375 |
| **Date Received:** | 03/07/2025 10:00 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 03/10/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-528033 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 2503375-001A | Water | 03/05/2025 10:40 | GC15A 03122549.D | 312920 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 5.2 | 20 | 20 | 03/13/2025 06:28 |
| Bentazon | ND | 8.2 | 20 | 20 | 03/13/2025 06:28 |
| Chloramben | ND | 6.2 | 20 | 20 | 03/13/2025 06:28 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 1.2 | 4.0 | 20 | 03/13/2025 06:28 |
| 2,4-DB | ND | 4.2 | 20 | 20 | 03/13/2025 06:28 |
| Dalapon | ND | 7.8 | 20 | 20 | 03/13/2025 06:28 |
| DCPA (mono & diacid) | ND | 2.8 | 20 | 20 | 03/13/2025 06:28 |
| Dicamba | ND | 1.2 | 4.0 | 20 | 03/13/2025 06:28 |
| 3,5-Dichlorobenzoic Acid | ND | 3.8 | 20 | 20 | 03/13/2025 06:28 |
| Dichloroprop | ND | 3.6 | 20 | 20 | 03/13/2025 06:28 |
| Dinoseb (DNBP) | ND | 3.6 | 20 | 20 | 03/13/2025 06:28 |
| MCPA | ND | 28 | 40 | 20 | 03/13/2025 06:28 |
| MCPP | ND | 15 | 40 | 20 | 03/13/2025 06:28 |
| 4-Nitrophenol | ND | 10 | 20 | 20 | 03/13/2025 06:28 |
| Pentachlorophenol (PCP) | ND | 1.1 | 4.0 | 20 | 03/13/2025 06:28 |
| Picloram | ND | 7.0 | 20 | 20 | 03/13/2025 06:28 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 1.1 | 4.0 | 20 | 03/13/2025 06:28 |
| 2,4,5-TP (Silvex) | ND | 2.8 | 10 | 20 | 03/13/2025 06:28 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 96 | 60-140 | 03/13/2025 06:28 |

Analyst(s): DP  Analytical Comments: a3

*(Cont.)*

CA ELAP 1644 • NELAP 4033ORELAP

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503375 |
| **Date Received:** | 03/07/2025 10:00 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 03/10/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-528033 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN - EASTERN INLET | 2503375-002A | Water | 03/05/2025 11:00 | GC15A 03122550.D | 312920 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 5.2 | 20 | 20 | 03/13/2025 06:53 |
| Bentazon | ND | 8.2 | 20 | 20 | 03/13/2025 06:53 |
| Chloramben | ND | 6.2 | 20 | 20 | 03/13/2025 06:53 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 1.2 | 4.0 | 20 | 03/13/2025 06:53 |
| 2,4-DB | ND | 4.2 | 20 | 20 | 03/13/2025 06:53 |
| Dalapon | ND | 7.8 | 20 | 20 | 03/13/2025 06:53 |
| DCPA (mono & diacid) | ND | 2.8 | 20 | 20 | 03/13/2025 06:53 |
| Dicamba | ND | 1.2 | 4.0 | 20 | 03/13/2025 06:53 |
| 3,5-Dichlorobenzoic Acid | ND | 3.8 | 20 | 20 | 03/13/2025 06:53 |
| Dichloroprop | ND | 3.6 | 20 | 20 | 03/13/2025 06:53 |
| Dinoseb (DNBP) | ND | 3.6 | 20 | 20 | 03/13/2025 06:53 |
| MCPA | ND | 28 | 40 | 20 | 03/13/2025 06:53 |
| MCPP | ND | 15 | 40 | 20 | 03/13/2025 06:53 |
| 4-Nitrophenol | ND | 10 | 20 | 20 | 03/13/2025 06:53 |
| Pentachlorophenol (PCP) | ND | 1.1 | 4.0 | 20 | 03/13/2025 06:53 |
| Picloram | ND | 7.0 | 20 | 20 | 03/13/2025 06:53 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 1.1 | 4.0 | 20 | 03/13/2025 06:53 |
| 2,4,5-TP (Silvex) | ND | 2.8 | 10 | 20 | 03/13/2025 06:53 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 105 | 60-140 | 03/13/2025 06:53 |

Analyst(s): DP  Analytical Comments: a3

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503375 |
| **Date Prepared:** | 03/10/2025 | **BatchID:** | 312920 |
| **Date Analyzed:** | 03/13/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528033 | **Sample ID:** | MB/LCS/LCSD-312920 |

## QC Summary Report for SW8151A

| Analyte | MB Result | MDL | RL | SPK Val | MB IS/SS %REC | MB IS/SS Limits |
|---|---|---|---|---|---|---|
| Acifluorfen | ND | 0.26 | 1.0 | - | - | - |
| Bentazon | ND | 0.41 | 1.0 | - | - | - |
| Chloramben | ND | 0.31 | 1.0 | - | - | - |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.059 | 0.20 | - | - | - |
| 2,4-DB | ND | 0.21 | 1.0 | - | - | - |
| Dalapon | ND | 0.39 | 1.0 | - | - | - |
| DCPA (mono & diacid) | ND | 0.14 | 1.0 | - | - | - |
| Dicamba | ND | 0.059 | 0.20 | - | - | - |
| 3,5-Dichlorobenzoic Acid | ND | 0.19 | 1.0 | - | - | - |
| Dichloroprop | ND | 0.18 | 1.0 | - | - | - |
| Dinoseb (DNBP) | ND | 0.18 | 1.0 | - | - | - |
| MCPA | ND | 1.4 | 2.0 | - | - | - |
| MCPP | ND | 0.77 | 2.0 | - | - | - |
| 4-Nitrophenol | ND | 0.50 | 1.0 | - | - | - |
| Pentachlorophenol (PCP) | ND | 0.055 | 0.20 | - | - | - |
| Picloram | ND | 0.35 | 1.0 | - | - | - |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.056 | 0.20 | - | - | - |
| 2,4,5-TP (Silvex) | ND | 0.14 | 0.50 | - | - | - |
| **Surrogate Recovery** | | | | | | |
| DCAA | 9.5 | | | 10 | 95 | 70-130 |

*(Cont.)*

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503375 |
| **Date Prepared:** | 03/10/2025 | **BatchID:** | 312920 |
| **Date Analyzed:** | 03/13/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528033 | **Sample ID:** | MB/LCS/LCSD-312920 |

## QC Summary Report for SW8151A

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Acifluorfen | 9.6 | 8.7 | 10 | 96 | 87 | 70-130 | 9.30 | 30 |
| Bentazon | 9.3 | 8.9 | 10 | 93 | 89 | 70-130 | 4.52 | 30 |
| Chloramben | 10 | 9.3 | 10 | 105 | 93 | 70-130 | 11.4 | 30 |
| 2,4-D (Dichlorophenoxyacetic acid) | 9.3 | 8.7 | 10 | 93 | 87 | 70-130 | 6.29 | 30 |
| 2,4-DB | 9.4 | 9.1 | 10 | 94 | 91 | 70-130 | 3.58 | 30 |
| Dalapon | 9.5 | 8.8 | 10 | 95 | 88 | 70-130 | 6.93 | 30 |
| DCPA (mono & diacid) | 9.9 | 9.2 | 10 | 99 | 92 | 70-130 | 7.72 | 30 |
| Dicamba | 9.7 | 9.2 | 10 | 97 | 92 | 70-130 | 5.62 | 30 |
| 3,5-Dichlorobenzoic Acid | 9.5 | 9.0 | 10 | 95 | 90 | 70-130 | 5.25 | 30 |
| Dichloroprop | 9.2 | 8.7 | 10 | 92 | 87 | 70-130 | 5.34 | 30 |
| Dinoseb (DNBP) | 9.6 | 9.0 | 10 | 96 | 90 | 70-130 | 6.14 | 30 |
| MCPA | 73 | 80 | 100 | 73 | 80 | 70-130 | 9.14 | 30 |
| MCPP | 76 | 72 | 100 | 76 | 72 | 70-130 | 5.43 | 30 |
| 4-Nitrophenol | 11 | 9.9 | 10 | 110 | 99 | 70-130 | 10.9 | 30 |
| Pentachlorophenol (PCP) | 9.7 | 9.2 | 10 | 97 | 92 | 70-130 | 5.99 | 30 |
| Picloram | 10 | 9.2 | 10 | 102 | 92 | 70-130 | 9.84 | 30 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | 9.7 | 8.9 | 10 | 97 | 89 | 70-130 | 8.59 | 30 |
| 2,4,5-TP (Silvex) | 10 | 9.0 | 10 | 101 | 90 | 70-130 | 11.2 | 30 |
| **Surrogate Recovery** | | | | | | | | |
| DCAA | 11 | 10 | 10 | 106 | 105 | 70-130 | 1.25 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503375** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☐ EQuIS ☐ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☐ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:

Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email:
cc/3rd Party:
PO: 709649
Project: EO-528033

Bill to:

Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT:** **5 days;**

*Date Received:* **03/07/2025**
*Date Logged:* **03/07/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503375-001 | SOUTH BASIN - WESTERN INLET | Water | 3/5/2025 10:40 | ☐ | A | A | | | | | | | | | | |
| 2503375-002 | SOUTH BASIN - EASTERN INLET | Water | 3/5/2025 11:00 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 8151_W | 2 | PRDisposal Fee | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Gemma Gomez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-528033 **Work Order:** 2503375

**Client Contact:** **QC Level:** LEVEL 2

**Contact's Email:** **Comments** **Date Logged:** 3/7/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH BASIN - WESTERN INLET | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 3/5/2025 10:40 | 5 days | 3/14/2025 | Present | ☐ | ☐ |
| 002A | SOUTH BASIN - EASTERN INLET | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 3/5/2025 11:00 | 5 days | 3/14/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2503315

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-528033
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 05-MAR-2025 10:40 | 528033-001 | 1 | Water | EPA 8151A Chlorinated Herbicides | |
| SOUTH BASIN - EASTERN INLET | 05-MAR-2025 11:00 | 528033-002 | 1 | Water | EPA 8151A Chlorinated Herbicides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | L. Dantzler EA-ORA | |
| | Date: 3/6/25 1800 | Date: 3/7/25 1000 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |



D. Zmt 3/7/25



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McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-528033

WorkOrder №: 2503375 Matrix: Water
Carrier: Golden State Overnight

Date and Time Received: 3/7/2025 10:00
Date Logged: 3/7/2025
Received by: Gemma Gomez
Logged by: Gemma Gomez

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☐ | No | ☐ | NA | ☑ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | NA | ☐ |
| Custody seals intact on sample bottles? | Yes | ☑ | No | ☐ | NA | ☐ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.2°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

**Laboratory Job Number 528033**

**Subcontracted Products**

**Enthalpy - El Dorado Hills**

March 20, 2025

**Enthalpy Analytical - El Dorado Hills**
**Work Order No. 2503065**

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on March 07, 2025 under your Project Name 'EO-528033'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

*Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .*

**Enthalpy Analytical - EDH Work Order No. 2503065**
**Case Narrative**

**Sample Condition on Receipt:**

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

**Analytical Notes:**

**EPA Method 8290A**

The samples were extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are flagged with an "H" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

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# Sample Inventory Report

| Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 2503065-01 | SOUTH BASIN - WESTERN INLET | 05-Mar-25 10:40 | 07-Mar-25 11:08 | Amber Glass NM Bottle, 1L |
| 2503065-02 | SOUTH BASIN - EASTERN INLET | 05-Mar-25 11:00 | 07-Mar-25 11:08 | Amber Glass NM Bottle, 1L |

**ANALYTICAL RESULTS**

**Sample ID: Method Blank** **EPA Method 8290A**

**Client Data**
Name: Enthalpy Analytical
Project: EO-528033
Matrix: Aqueous

**Laboratory Data**
Lab Sample: B25C174-BLK1
QC Batch: B25C174 Date Extracted: 13-Mar-25
Sample Size: 1.00 L Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.78 | 5.00 | | 14-Mar-25 16:47 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 88.9 | 40 - 135 | | 14-Mar-25 16:47 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 102 | 40 - 135 | | 14-Mar-25 16:47 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

**Sample ID: OPR** **EPA Method 8290A**

**Client Data**
Name: Enthalpy Analytical
Project: EO-528033
Matrix: Aqueous

**Laboratory Data**
Lab Sample: B25C174-BS1
QC Batch: B25C174 Date Extracted: 13-Mar-25 02:58
Sample Size: 1.00 L Column: ZB-DIOXIN

| Analyte | Amt Found (pg/L) | Spike Amt | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | 191 | 200 | 95.7 | 70-130 | | 14-Mar-25 13:43 | 1 |
| **Labeled Standards** | **Type** | | **% Recovery** | **Limits** | **Qualifiers** | **Analyzed** | **Dilution** |
| 13C-2,3,7,8-TCDD | IS | | 93.7 | 40-135 | | 14-Mar-25 13:43 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | | 109 | 40-135 | | 14-Mar-25 13:43 | 1 |

## Sample ID: SOUTH BASIN - WESTERN INLET

**EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-528033
Matrix: Water
Date Collected: 05-Mar-25 10:40

**Laboratory Data**

Lab Sample: 2503065-01
QC Batch: B25C174
Sample Size: 1.04 L
Date Received: 07-Mar-25 11:08
Date Extracted: 13-Mar-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.71 | 4.80 | | 14-Mar-25 18:19 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 45.6 | 40 - 135 | | 14-Mar-25 18:19 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 97.1 | 40 - 135 | | 14-Mar-25 18:19 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

**Sample ID: SOUTH BASIN - EASTERN INLET** **EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-528033
Matrix: Water
Date Collected: 05-Mar-25 11:00

**Laboratory Data**

Lab Sample: 2503065-02
QC Batch: B25C174
Sample Size: 1.05 L
Date Received: 07-Mar-25 11:08
Date Extracted: 13-Mar-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.69 | 4.76 | | 14-Mar-25 19:05 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 9.10 | 40 - 135 | H | 14-Mar-25 19:05 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 99.1 | 40 - 135 | | 14-Mar-25 19:05 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| B | This compound was also detected in the method blank |
| Conc. | Concentration |
| CRS | Cleanup Recovery Standard |
| D | Dilution |
| DL | Detection Limit |
| E | The associated compound concentration exceeded the calibration range of the instrument |
| EDL | Estimated Detection Limit |
| EMPC | Estimated Maximum Possible Concentration |
| H | Recovery and/or RPD was outside laboratory acceptance limits |
| I | Chemical Interference |
| IS | Internal Standard |
| J | The amount detected is below the Reporting Limit/LOQ |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| MDL | Method Detection Limit |
| NA | Not applicable |
| ND | Not Detected |
| OPR | Ongoing Precision and Recovery sample |
| P | The reported concentration may include contribution from chlorinated diphenyl ether(s). |
| Q | The ion transition ratio is outside of the acceptance criteria. |
| RL | Reporting Limit |
| RL | For 537.1, the reported RLs are the MRLs. |
| TEQ | Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations. |
| TEQMax | TEQ calculation that uses the detection limit as the concentration for non-detects |
| TEQMin | TEQ calculation that uses zero as the concentration for non-detects |
| TEQRisk | TEQ calculation that uses ½ the detection limit as the concentration for non-detects |
| U | Not Detected (specific projects only) |
| * | See Cover Letter |

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

**Enthalpy Analytical - EDH Certifications**

| Accrediting Authority | Certificate Number |
|---|---|
| Alaska Department of Environmental Conservation | 17-013 |
| Arkansas Department of Environmental Quality | 21-023-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025 | 3091.01 |
| Florida Department of Health | E87777 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2020018 |
| Michigan Department of Environmental Quality | 9932 |
| Minnesota Department of Health | 2211390 |
| Nevada Division of Environmental Protection | CA00413 |
| New Hampshire Environmental Accreditation Program | 207721 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Ohio Environmental Protection Agency | 87778 |
| Oregon Laboratory Accreditation Program | 4042-021 |
| Texas Commission on Environmental Quality | T104704189-22-13 |
| Vermont Department of Health | VT-4042 |
| Virginia Department of General Services | 11276 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.*

ENTHALPY
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-528033
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

2503065

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

1-2°C

Notes:

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN - WESTERN INLET | 05-MAR-2025 10:40 | 528033-001 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |
| SOUTH BASIN - EASTERN INLET | 05-MAR-2025 11:00 | 528033-002 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Quintero EA-OPA | Karen Lee |
| | Date: 3/6/25 1800 | Date: 03/07/25 11:04 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

# CoC/Label Reconciliation Report WO# 2503065

| LabNumber | CoC Sample ID | | | SampleAlias | Sample Date/Time | | Container | BaseMatrix | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|
| 2503065-01 | A SOUTH BASIN - WESTERN INLET | ☑ | A) | 528033-001 | 05-Mar-25 10:40 | ☑ | Amber Glass NM Bottle, 1L | Aqueous | |
| 2503065-02 | A SOUTH BASIN - EASTERN INLET | ☑ | L | 528033-001 | 05-Mar-25 11:00 | ☑ | Amber Glass NM Bottle, 1L | Aqueous | |

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

| CONDITION | Yes | No | NA |
|---|---|---|---|
| Sample Container Intact? | ✓ | | |
| Sample Container(s) Custody Seals Intact? | | | ✓ |
| Custody Seals On Cooler Intact? | | | ✓ |
| Adequate Sample Volume? | ✓ | | |
| Container Type Appropriate for Analysis(es)? | ✓ | | |

Comments:
A) No backup volume

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verified by/Date: Iher 03/07/25
JT 03/07/25

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

| | | |
|---|---|---|
| Lab Job Number | : | 528317 |
| Report Level | : | II |
| Report Date | : | 03/31/2025 |
| **Revision** | : | **1 (See narrative)** |

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Location: 4050-25-00306 PROJ-037507

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | |
|---|---|---|
| Kate Logan<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | Lab Job #:<br>Location:<br>Date Received: | 528317<br>4050-25-00306 PROJ-037507<br>03/07/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN STAGE 1 | 528317-001 | 03/07/25 10:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528317<br>Location: 4050-25-00306 PROJ-037507<br>Date Received: 03/07/25 |

- This data package contains sample and QC results for one water sample, requested for the above referenced project on 03/07/25. The sample was received cold and intact.
- This report was revised on 03/31/25 to include subcontracted 8290 TCDD data.

**Volatile Organics by GC/MS (EPA 8260B):**

- A number of analytes were detected between the MDL and the RL in the method blank for batch 365377; these analytes were not detected in the sample at or above the RL.
- Naphthalene was detected between the MDL and the RL in the method blank for batch 365396; this analyte was not detected in the sample at or above the RL.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS (EPA 8270C):**

- Bis(2-ethylhexyl)phthalate was detected between the MDL and the RL in the method blank for batch 365181; this analyte was not detected in the sample at or above the RL.
- SOUTH BASIN STAGE 1 (lab # 528317-001) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS (EPA 625.1):**

- SOUTH BASIN STAGE 1 (lab # 528317-001) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**

No analytical problems were encountered.

**Pesticides (EPA 8081A):**

- SOUTH BASIN STAGE 1 (lab # 528317-001) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**

No analytical problems were encountered.

**PCBs (EPA 8082):**

- High surrogate recovery was observed for decachlorobiphenyl (PCB) in SOUTH BASIN STAGE 1 (lab # 528317-001); no target analytes were detected in the sample.
- SOUTH BASIN STAGE 1 (lab # 528317-001) was treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- SOUTH BASIN STAGE 1 (lab # 528317-001) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

**Metals (EPA 200.7, EPA 200.8, and EPA 245.1):**

- High recovery was observed for antimony in the LCS for batch 365317; this analyte was not detected at or above the RL in the associated sample.
- High recovery was observed for boron in the MS for batch 365317; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for boron in the MS/MSD for batch 365317.
- No other analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Low response was observed for fluoride in the CCV analyzed 03/08/25 13:34; affected data was qualified with "b".
- Low response was observed for fluoride in the CCV analyzed 03/08/25 16:14; affected data was qualified with "b".
- Low recoveries were observed for fluoride in the MS/MSD for batch 365263; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

**Conductivity (SM2510B):**
No analytical problems were encountered.

**Total Oil & Grease (HEM) (EPA 1664A):**

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

**Total Phenolics (EPA 420.1):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Total Suspended Solids (TSS) (SM2540D):**
No analytical problems were encountered.

**Chemical Oxygen Demand (SM5220D):**
No analytical problems were encountered.

**Biochemical Oxygen Demand (SM5210B):**
No analytical problems were encountered.

**Turbidity (SM2130B):**
No analytical problems were encountered.

**Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):**
No analytical problems were encountered.

**Coliform - 9221 Tests (SM 9221B and SM 9221F):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**

- Responses exceeding the instrument's linear range were observed for ammonia-N in the MS/MSD for batch 366508; affected data was qualified with "E".
- No other analytical problems were encountered.

**Organophosphorus Pesticides (EPA 8141A):**
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

**8151A Chlorinated Herbicides (EPA 8151A):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

**Dioxins & Furans (EPA 8290):**
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 528317

Page: 1 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | X | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** 4.3/4.3 5.0/5.0 1124 (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | 200.8 CHROMIUM, ZINC, ARSENIC | 625 | AMMONIA | BOD | | | | | | Test Instructions / Commen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN | 03/07/25 | 1000 | W | 4 | 6,2,4 | X | X | X | X | | | | | | Subchapter N |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

Email report to:

Login 528317

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Ian Carter II | CTEH | 3/7/2025 3:00pm |
| [1] Received By: | | Overnight | EA | 3/7/25 ~~1500~~ 15:20 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | 6CK 3/7/25 |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/7/25 WO# 528317 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/7/25 By (initials) GCK/ARA Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0

Cooler Temp (°C) #1: 4.3 / 4.3 #2: 5.0 / 5.0 #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | x | | |
| 2) Is the sampler's name present on the CoC? | x | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | x | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | x | | |
| 5) Were all of, and only, the correct samples received? | x | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | x | | |
| 7) Does the container count match the CoC? | x | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | x | | |
| 9) Were samples received in proper containers for the analyses requested? | x | | |
| 10) Were samples received with > 1/2 holding time remaining? | x | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | x | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | x |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | x |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☒ **No additional discrepancies**

**Date Logged** 3/7/25 **By (print)** G. Kim **(sign)** _____

**Date Labeled** 3/7/25 **By (print)** Orange **(sign)** _____

Outlook

## [External] - RE: 3-7-25 SOUTH BASIN SAMPLES

**From** Amanda Froman <Amanda.Froman@WasteConnections.com>
**Date** Fri 3/7/2025 11:58 AM
**To** Scott Toups <sctoups@montrose-env.com>; Zach Barker <Zach.barker@enthalpy.com>; David Tripp <david.tripp@enthalpy.com>
**Cc** Elbie Cannon <ecannon@montrose-env.com>

This is the first time you received an email from this sender (Amanda.Froman@WasteConnections.com). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hello All,

Can you please update the nomenclature to reflect South Basin Stage 1.

Thank you,

Amanda Froman
Compliance Manager
Chiquita Canyon Landfill
Waste Connections, Inc.
(m) 661-625-1409

**From:** Scott Toups <sctoups@montrose-env.com>
**Sent:** Friday, March 7, 2025 11:37 AM
**To:** Amanda Froman <Amanda.Froman@WasteConnections.com>; Zach Barker <Zach.barker@enthalpy.com>; David Tripp <david.tripp@enthalpy.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** 3-7-25 SOUTH BASIN SAMPLES

Attached is a copy of the COC for the South Basin samples taken today.
Ian is on his way to the lab to deliver the samples.

Scott Toups
501-951-3533

CONFIDENTIALITY NOTICE: The contents of this email message and any attachments are intended solely for the addressee(s) and may contain confidential, proprietary and/or privileged information and may be legally protected from disclosure. If you are not the intended recipient of this message or their agent, or if this message has been addressed to you in error, please immediately alert the sender by reply email and then delete this message and any attachments and the reply from your system. If you are not the intended recipient, you are hereby notified that any disclosure, use, dissemination, copying, or storage of this message or its attachments is strictly prohibited.

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## Zach Barker

**From:** Amanda Froman <Amanda.Froman@WasteConnections.com>
**Sent:** Friday, March 7, 2025 11:58 AM
**To:** Scott Toups; Zach Barker; David Tripp
**Cc:** Elbie Cannon
**Subject:** [External] - RE: 3-7-25 SOUTH BASIN SAMPLES

This is the first time you received an email from this sender (Amanda.Froman@WasteConnections.com). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Hello All,

Can you please update the nomenclature to reflect South Basin Stage 1.

Thank you,

Amanda Froman
Compliance Manager
Chiquita Canyon Landfill
Waste Connections, Inc.
(m) 661-625-1409

---

**From:** Scott Toups <sctoups@montrose-env.com>
**Sent:** Friday, March 7, 2025 11:37 AM
**To:** Amanda Froman <Amanda.Froman@WasteConnections.com>; Zach Barker <Zach.barker@enthalpy.com>; David Tripp <david.tripp@enthalpy.com>
**Cc:** Elbie Cannon <ecannon@montrose-env.com>
**Subject:** 3-7-25 SOUTH BASIN SAMPLES

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Scott Toups
501-951-3533

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ENTHALPY ANALYTICAL

# Analysis Results for 528317

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528317
Location: 4050-25-00306 PROJ-037507
Date Received: 03/07/25

**Sample ID: SOUTH BASIN STAGE 1** **Lab ID: 528317-001** **Collected: 03/07/25 10:00**
**Matrix: Water**

| 528317-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | ND | | mg/L | 4.8 | 2.0 | 0.96 | 366097 | 03/16/25 | 03/19/25 | DAD |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **98** | | mg/L | 0.57 | 0.57 | 1 | 365439 | 03/10/25 | 03/11/25 | KAM |
| Iron | **1.4** | | mg/L | 0.046 | 0.046 | 1 | 365439 | 03/10/25 | 03/11/25 | KAM |
| Magnesium | **15** | | mg/L | 0.10 | 0.025 | 1 | 365439 | 03/10/25 | 03/11/25 | KAM |
| Potassium | **13** | | mg/L | 0.50 | 0.40 | 1 | 365439 | 03/10/25 | 03/12/25 | KAM |
| Sodium | **68** | | mg/L | 0.50 | 0.35 | 1 | 365439 | 03/10/25 | 03/11/25 | KAM |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **370** | | ug/L | 100 | 57 | 10 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Tin | **0.83** | J | ug/L | 5.0 | 0.50 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Antimony | **1.9** | J | ug/L | 2.0 | 0.31 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Arsenic | **6.8** | | ug/L | 2.0 | 0.38 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Barium | **69** | | ug/L | 5.0 | 0.46 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Beryllium | ND | | ug/L | 1.0 | 0.21 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Cadmium | **0.12** | J | ug/L | 1.0 | 0.095 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Chromium | **3.6** | J | ug/L | 5.0 | 0.24 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Cobalt | **2.8** | | ug/L | 1.0 | 0.10 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Copper | **5.7** | | ug/L | 3.0 | 0.71 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Lead | **3.0** | J | ug/L | 5.0 | 0.18 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Manganese | **130** | | ug/L | 10 | 3.4 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Nickel | **6.9** | | ug/L | 5.0 | 0.74 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Selenium | **1.7** | J | ug/L | 2.0 | 1.6 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Silver | ND | | ug/L | 5.0 | 0.63 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Thallium | ND | | ug/L | 1.0 | 0.20 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Vanadium | **7.7** | | ug/L | 5.0 | 0.26 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Zinc | **15** | | ug/L | 10 | 7.4 | 1 | 365317 | 03/08/25 | 03/11/25 | KAM |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | **0.047** | J | ug/L | 0.40 | 0.032 | 1 | 365699 | 03/12/25 | 03/12/25 | MLL |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.41** | | mg/L | 0.20 | 0.072 | 1 | 365263 | 03/07/25 16:00 | 03/08/25 04:49 | JAA |
| Chloride | **57** | | mg/L | 1.0 | 0.27 | 1 | 365263 | 03/07/25 16:00 | 03/08/25 04:49 | JAA |
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 1 | 365263 | 03/07/25 16:00 | 03/08/25 04:49 | JAA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528317

| 528317-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | **0.47** | | mg/L | 0.30 | 0.060 | 1 | 365263 | 03/07/25 16:00 | 03/08/25 04:49 | JAA |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 365263 | 03/07/25 16:00 | 03/08/25 04:49 | JAA |
| Sulfate | **220** | | mg/L | 10 | 2.5 | 10 | 365263 | 03/07/25 16:00 | 03/08/25 05:10 | JAA |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **1.7** | | mg/L | 0.10 | 0.050 | 1 | 366508 | 03/20/25 | 03/21/25 | JAK |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | **0.018** | | mg/L | 0.010 | 0.0047 | 1 | 366250 | 03/18/25 | 03/18/25 | LVL |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Cresol | ND | | ug/L | 47 | | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.5 | 0.2 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| beta-BHC | ND | | ug/L | 0.5 | 0.3 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| gamma-BHC | ND | | ug/L | 0.5 | 0.2 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| delta-BHC | ND | | ug/L | 0.5 | 0.2 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Heptachlor | ND | | ug/L | 0.5 | 0.2 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aldrin | ND | | ug/L | 0.5 | 0.3 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Heptachlor epoxide | ND | | ug/L | 0.5 | 0.2 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endosulfan I | ND | | ug/L | 0.5 | 0.2 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Dieldrin | ND | | ug/L | 1.0 | 0.2 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| 4,4'-DDE | ND | | ug/L | 1.0 | 0.3 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endrin | ND | | ug/L | 1.0 | 0.3 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endosulfan II | ND | | ug/L | 1.0 | 0.3 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endosulfan sulfate | ND | | ug/L | 1.0 | 0.3 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| 4,4'-DDD | ND | | ug/L | 1.0 | 0.2 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endrin aldehyde | ND | | ug/L | 1.0 | 0.4 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endrin ketone | ND | | ug/L | 1.0 | 0.3 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| 4,4'-DDT | ND | | ug/L | 1.0 | 0.4 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Methoxychlor | ND | | ug/L | 1.0 | 0.5 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Toxaphene | ND | | ug/L | 19 | 4.3 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Chlordane (Technical) | ND | | ug/L | 9.5 | 2.3 | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| **Surrogates** | | | | **Limits** | | | | | | |
| TCMX | | DO | %REC | 14-120 | | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Decachlorobiphenyl | | DO | %REC | 20-120 | | 9.5 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 2.4 | 1.8 | 4.8 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1221 | ND | | ug/L | 2.4 | 2.0 | 4.8 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1232 | ND | | ug/L | 2.4 | 1.7 | 4.8 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1242 | ND | | ug/L | 2.4 | 1.7 | 4.8 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1248 | ND | | ug/L | 2.4 | 1.6 | 4.8 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1254 | ND | | ug/L | 2.4 | 0.86 | 4.8 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1260 | ND | | ug/L | 2.4 | 2.1 | 4.8 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1262 | ND | | ug/L | 2.4 | 1.9 | 4.8 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1268 | ND | | ug/L | 2.4 | 1.2 | 4.8 | 365844 | 03/13/25 | 03/14/25 | KLR |
| **Surrogates** | | | | **Limits** | | | | | | |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528317

| 528317-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl (PCB) | 177% | * | %REC | 18-126 | | 4.8 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.7 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 2-Chloroethylvinylether | ND | | ug/L | 50 | 2.7 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Chloroprene | ND | | ug/L | 200 | 2.0 | 1 | 365396 | 03/11/25 | 03/11/25 | LYZ |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.3 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Ethanol | ND | | ug/L | 500 | 250 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.8 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Iodomethane | ND | | ug/L | 5.8 | 5.8 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Isopropanol (IPA) | **110** | J | ug/L | 200 | 64 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Vinyl Acetate | ND | | ug/L | 50 | 2.5 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Acrylonitrile | ND | | ug/L | 10 | 0.7 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Acetone | **78** | J | ug/L | 100 | 44 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 2-Butanone | **21** | J | ug/L | 100 | 2.3 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528317

| 528317-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| para-Isopropyl Toluene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Toluene-d8 | 95% | | %REC | 70-130 | | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 365377 | 03/10/25 | 03/10/25 | LYZ |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 0.48 | 0.18 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 0.48 | 0.23 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Naphthalene | ND | | ug/L | 0.48 | 0.20 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 0.48 | 0.20 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Acenaphthene | ND | | ug/L | 0.48 | 0.17 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Fluorene | ND | | ug/L | 0.48 | 0.16 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Phenanthrene | ND | | ug/L | 0.48 | 0.19 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Anthracene | ND | | ug/L | 0.48 | 0.17 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Fluoranthene | ND | | ug/L | 0.48 | 0.17 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Pyrene | ND | | ug/L | 0.48 | 0.16 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 0.48 | 0.14 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Chrysene | ND | | ug/L | 0.48 | 0.16 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 0.48 | 0.16 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528317

| 528317-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzo(k)fluoranthene | ND | | ug/L | 0.48 | 0.16 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 0.48 | 0.12 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.48 | 0.14 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.48 | 0.18 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.48 | 0.19 | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 80% | | %REC | 16-125 | | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| 2-Fluorobiphenyl | 48% | | %REC | 17-120 | | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Terphenyl-d14 | 83% | | %REC | 39-123 | | 0.97 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | **11** | | ug/L | 1.0 | 0.95 | 1 | 365701 | 03/12/25 | 03/13/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 104% | | %REC | 80-120 | | 1 | 365701 | 03/12/25 | 03/13/25 | ZFA |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Pyridine | ND | | ug/L | 47 | 18 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| N-Nitrosodimethylamine | ND | | ug/L | 47 | 13 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Phenol | ND | | ug/L | 47 | 17 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Aniline | ND | | ug/L | 47 | 21 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| bis(2-Chloroethyl)ether | ND | | ug/L | 120 | 15 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2-Chlorophenol | ND | | ug/L | 47 | 13 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 1,3-Dichlorobenzene | ND | | ug/L | 47 | 16 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 1,4-Dichlorobenzene | ND | | ug/L | 47 | 16 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Benzyl alcohol | ND | | ug/L | 47 | 27 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 1,2-Dichlorobenzene | ND | | ug/L | 47 | 15 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2-Methylphenol | ND | | ug/L | 47 | 15 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 47 | 13 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 3-,4-Methylphenol | ND | | ug/L | 47 | 12 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 47 | 18 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Hexachloroethane | ND | | ug/L | 47 | 18 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Nitrobenzene | ND | | ug/L | 120 | 30 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Isophorone | ND | | ug/L | 47 | 8.8 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2-Nitrophenol | ND | | ug/L | 47 | 26 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2,4-Dimethylphenol | ND | | ug/L | 47 | 21 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Benzoic acid | ND | | ug/L | 230 | 91 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2,4-Dichlorophenol | ND | | ug/L | 47 | 13 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 47 | 12 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Naphthalene | ND | | ug/L | 47 | 13 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 4-Chloroaniline | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Hexachlorobutadiene | ND | | ug/L | 47 | 19 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 4-Chloro-3-methylphenol | ND | | ug/L | 47 | 13 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Hexachlorocyclopentadiene | ND | | ug/L | 120 | 23 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2,4,6-Trichlorophenol | ND | | ug/L | 47 | 10 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2,4,5-Trichlorophenol | ND | | ug/L | 47 | 13 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2-Chloronaphthalene | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2-Nitroaniline | ND | | ug/L | 230 | 17 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528317

| 528317-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Dimethylphthalate | ND | | ug/L | 47 | 15 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Acenaphthylene | ND | | ug/L | 47 | 10 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2,6-Dinitrotoluene | ND | | ug/L | 47 | 17 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 3-Nitroaniline | ND | | ug/L | 47 | 8.7 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Acenaphthene | ND | | ug/L | 47 | 12 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2,4-Dinitrophenol | ND | | ug/L | 230 | 16 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 4-Nitrophenol | ND | | ug/L | 47 | 6.9 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Dibenzofuran | ND | | ug/L | 47 | 10 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2,4-Dinitrotoluene | ND | | ug/L | 47 | 15 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Diethylphthalate | ND | | ug/L | 47 | 13 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Fluorene | ND | | ug/L | 47 | 10 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 4-Nitroaniline | ND | | ug/L | 47 | 13 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 230 | 15 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| N-Nitrosodiphenylamine | ND | | ug/L | 47 | 18 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 4-Bromophenyl-phenylether | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Hexachlorobenzene | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Pentachlorophenol | ND | | ug/L | 120 | 12 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Phenanthrene | ND | | ug/L | 47 | 12 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Anthracene | ND | | ug/L | 47 | 10 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Di-n-butylphthalate | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Fluoranthene | ND | | ug/L | 47 | 12 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Benzidine | ND | | ug/L | 230 | 73 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Pyrene | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Butylbenzylphthalate | ND | | ug/L | 47 | 12 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 120 | 14 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 47 | 10 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Chrysene | ND | | ug/L | 47 | 12 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 47 | 13 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Di-n-octylphthalate | ND | | ug/L | 47 | 22 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 47 | 11 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Benzo(a)pyrene | ND | | ug/L | 47 | 10 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 47 | 25 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 47 | 35 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 47 | 16 | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 41% | | %REC | 10-140 | | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Phenol-d6 | 30% | | %REC | 10-140 | | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2,4,6-Tribromophenol | 91% | | %REC | 12-140 | | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Nitrobenzene-d5 | 69% | | %REC | 10-140 | | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| 2-Fluorobiphenyl | 70% | | %REC | 11-140 | | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Terphenyl-d14 | 85% | | %REC | 20-140 | | 4.7 | 365181 | 03/08/25 | 03/12/25 | XLY |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | **0.016** | | mg/L | 0.0050 | 0.0021 | 0.5 | 365712 | 03/12/25 | 03/12/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 365688 | 03/13/25 | 03/13/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528317

| 528317-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **56** | | mg/L | 1.0 | 0.68 | 1 | 366009 | 03/14/25 | 03/16/25 | TDD |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 365404 | 03/07/25 16:11 | 03/10/25 12:57 | SMT |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **220** | | MPN/100ml | 1.8 | | 1 | 365404 | 03/07/25 16:11 | 03/10/25 12:57 | SMT |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **410** | | NTU | 0.10 | 0.009 | 1 | 365276 | 03/07/25 21:12 | 03/07/25 21:12 | ARM |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **200** | | mg/L | 10 | | 5 | 366324 | 03/18/25 | 03/18/25 | WWC |
| Carbonate | ND | | mg/L | 10 | | 5 | 366324 | 03/18/25 | 03/18/25 | WWC |
| Hydroxide | ND | | mg/L | 10 | | 5 | 366324 | 03/18/25 | 03/18/25 | WWC |
| Alkalinity, Total as CaCO3 | **160** | | mg/L | 10 | | 5 | 366324 | 03/18/25 | 03/18/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **970** | | umhos/cm | 1.0 | | 1 | 366104 | 03/16/25 | 03/16/25 | RDL |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **650** | | mg/L | 20 | | 2 | 365843 | 03/13/25 | 03/16/25 | RDL |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **81** | | mg/L | 0.5 | | 1 | 365772 | 03/13/25 | 03/15/25 | DXA |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **58** | | mg/L | 3.0 | | 1 | 365251 | 03/07/25 20:30 | 03/12/25 18:46 | AAB |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **170** | | mg/L | 4.0 | 1.6 | 1 | 366146 | 03/17/25 | 03/17/25 | DXA |

* Value is outside QC limits
> Value exceeds indicated concentration
DO Diluted Out
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1239564 | Batch: 366097 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1239564 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Oil and Grease | ND | | mg/L | 5.0 | 2.1 | 03/16/25 | 03/19/25 |

| Type: Lab Control Sample | Lab ID: QC1239565 | Batch: 366097 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1239565 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Oil and Grease | 36.60 | 40.00 | mg/L | 92% | | 78-114 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1239566 | Batch: 366097 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1239566 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Oil and Grease | 37.10 | 40.00 | mg/L | 93% | | 78-114 | 1 | 18 |

| Type: Blank | Lab ID: QC1237412 | Batch: 365439 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1237412 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/10/25 | 03/10/25 |
| Iron | ND | | mg/L | 0.046 | 0.046 | 03/10/25 | 03/10/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 03/10/25 | 03/10/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 03/10/25 | 03/12/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 03/10/25 | 03/10/25 |

| Type: Lab Control Sample | Lab ID: QC1237413 | Batch: 365439 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1237413 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 20.16 | 20.40 | mg/L | 99% | | 85-115 |
| Iron | 0.3889 | 0.4000 | mg/L | 97% | | 85-115 |
| Magnesium | 20.60 | 20.40 | mg/L | 101% | | 85-115 |
| Potassium | 24.04 | 24.00 | mg/L | 100% | | 85-115 |
| Sodium | 19.26 | 20.40 | mg/L | 94% | | 85-115 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1237414 | Batch: | 365439 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528259-002) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1237414 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 28.60 | 9.106 | 20.40 | mg/L | 96% | | 75-125 | 1 |
| Iron | 6.509 | 6.278 | 0.4000 | mg/L | 58% | NM | 75-125 | 1 |
| Magnesium | 23.32 | 3.093 | 20.40 | mg/L | 99% | | 75-125 | 1 |
| Potassium | 25.12 | 2.742 | 24.00 | mg/L | 93% | | 75-125 | 1 |
| Sodium | 21.31 | 2.430 | 20.40 | mg/L | 93% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1237415 | Batch: | 365439 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528259-002) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1237415 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 29.39 | 9.106 | 20.40 | mg/L | 99% | | 75-125 | 3 | 20 | 1 |
| Iron | 6.148 | 6.278 | 0.4000 | mg/L | -33% | NM | 75-125 | 6 | 20 | 1 |
| Magnesium | 24.07 | 3.093 | 20.40 | mg/L | 103% | | 75-125 | 3 | 20 | 1 |
| Potassium | 25.87 | 2.742 | 24.00 | mg/L | 96% | | 75-125 | 3 | 20 | 1 |
| Sodium | 22.03 | 2.430 | 20.40 | mg/L | 96% | | 75-125 | 3 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1237477 | Batch: | 365439 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528259-002) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1237477 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Calcium | 9.115 | 9.106 | mg/L | | | | 5 |
| Iron | 6.312 | 6.278 | mg/L | | | | 5 |
| Magnesium | 3.128 | 3.093 | mg/L | | | | 5 |
| Potassium | ND | 2.742 | mg/L | | | | 5 |
| Sodium | 2.552 | 2.430 | mg/L | | | | 5 |

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# Batch QC

| Type: Blank | Lab ID: QC1236919 | Batch: 365317 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1236919 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | ug/L | 10 | 5.7 | 03/08/25 | 03/11/25 |
| Tin | ND | | ug/L | 5.0 | 0.49 | 03/08/25 | 03/10/25 |
| Antimony | ND | | ug/L | 2.0 | 0.31 | 03/08/25 | 03/11/25 |
| Arsenic | ND | | ug/L | 2.0 | 0.22 | 03/08/25 | 03/10/25 |
| Barium | ND | | ug/L | 5.0 | 0.46 | 03/08/25 | 03/10/25 |
| Beryllium | ND | | ug/L | 1.0 | 0.21 | 03/08/25 | 03/11/25 |
| Cadmium | ND | | ug/L | 1.0 | 0.26 | 03/08/25 | 03/10/25 |
| Chromium | ND | | ug/L | 5.0 | 0.34 | 03/08/25 | 03/10/25 |
| Cobalt | ND | | ug/L | 1.0 | 0.074 | 03/08/25 | 03/10/25 |
| Copper | ND | | ug/L | 3.0 | 2.0 | 03/08/25 | 03/10/25 |
| Lead | ND | | ug/L | 5.0 | 0.16 | 03/08/25 | 03/10/25 |
| Manganese | ND | | ug/L | 10 | 4.3 | 03/08/25 | 03/10/25 |
| Nickel | ND | | ug/L | 5.0 | 0.84 | 03/08/25 | 03/10/25 |
| Selenium | ND | | ug/L | 2.0 | 1.6 | 03/08/25 | 03/10/25 |
| Silver | ND | | ug/L | 5.0 | 0.63 | 03/08/25 | 03/11/25 |
| Thallium | ND | | ug/L | 1.0 | 0.19 | 03/08/25 | 03/10/25 |
| Vanadium | ND | | ug/L | 5.0 | 0.36 | 03/08/25 | 03/10/25 |
| Zinc | ND | | ug/L | 10 | 7.4 | 03/08/25 | 03/10/25 |

| Type: Lab Control Sample | Lab ID: QC1236920 | Batch: 365317 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1236920 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 85.04 | 100.0 | ug/L | 85% | | 85-115 |
| Tin | 106.5 | 100.0 | ug/L | 106% | | 85-115 |
| Antimony | 115.6 | 100.0 | ug/L | 116% | * | 85-115 |
| Arsenic | 103.2 | 100.0 | ug/L | 103% | | 85-115 |
| Barium | 101.6 | 100.0 | ug/L | 102% | | 85-115 |
| Beryllium | 99.90 | 100.0 | ug/L | 100% | | 85-115 |
| Cadmium | 102.8 | 100.0 | ug/L | 103% | | 85-115 |
| Chromium | 104.1 | 100.0 | ug/L | 104% | | 85-115 |
| Cobalt | 112.4 | 100.0 | ug/L | 112% | | 85-115 |
| Copper | 109.3 | 100.0 | ug/L | 109% | | 85-115 |
| Lead | 104.7 | 100.0 | ug/L | 105% | | 85-115 |
| Manganese | 105.0 | 100.0 | ug/L | 105% | | 85-115 |
| Nickel | 108.7 | 100.0 | ug/L | 109% | | 85-115 |
| Selenium | 101.5 | 100.0 | ug/L | 101% | | 85-115 |
| Silver | 52.27 | 50.00 | ug/L | 105% | | 85-115 |
| Thallium | 103.9 | 100.0 | ug/L | 104% | | 85-115 |
| Vanadium | 105.0 | 100.0 | ug/L | 105% | | 85-115 |
| Zinc | 105.3 | 100.0 | ug/L | 105% | | 85-115 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1236921 | Batch: | 365317 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528263-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1236921 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 687.1 | 462.0 | 100.0 | ug/L | 225% | NM | 70-130 | 25 |
| Tin | 107.5 | 0.7791 | 100.0 | ug/L | 107% | | 70-130 | 1 |
| Antimony | 119.0 | 1.108 | 100.0 | ug/L | 118% | | 70-130 | 1 |
| Arsenic | 106.6 | 2.370 | 100.0 | ug/L | 104% | | 70-130 | 1 |
| Barium | 210.0 | 111.0 | 100.0 | ug/L | 99% | | 70-130 | 1 |
| Beryllium | 98.40 | ND | 100.0 | ug/L | 98% | | 70-130 | 1 |
| Cadmium | 101.6 | ND | 100.0 | ug/L | 102% | | 70-130 | 1 |
| Chromium | 101.6 | 0.9868 | 100.0 | ug/L | 101% | | 70-130 | 1 |
| Cobalt | 108.4 | ND | 100.0 | ug/L | 108% | | 70-130 | 1 |
| Copper | 158.5 | 57.97 | 100.0 | ug/L | 101% | | 70-130 | 1 |
| Lead | 109.1 | 3.566 | 100.0 | ug/L | 106% | | 70-130 | 1 |
| Manganese | 100.4 | ND | 100.0 | ug/L | 100% | | 70-130 | 1 |
| Nickel | 103.5 | 2.175 | 100.0 | ug/L | 101% | | 70-130 | 1 |
| Selenium | 112.9 | 16.90 | 100.0 | ug/L | 96% | | 70-130 | 1 |
| Silver | 51.00 | ND | 50.00 | ug/L | 102% | | 70-130 | 1 |
| Thallium | 106.3 | ND | 100.0 | ug/L | 106% | | 70-130 | 1 |
| Vanadium | 109.0 | 6.224 | 100.0 | ug/L | 103% | | 70-130 | 1 |
| Zinc | 170.5 | 70.49 | 100.0 | ug/L | 100% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1236922 | Batch: | 365317 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528263-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1236922 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 691.6 | 462.0 | 100.0 | ug/L | 230% | NM | 70-130 | 1 | 20 | 25 |
| Tin | 112.0 | 0.7791 | 100.0 | ug/L | 111% | | 70-130 | 4 | 20 | 1 |
| Antimony | 124.5 | 1.108 | 100.0 | ug/L | 123% | | 70-130 | 4 | 20 | 1 |
| Arsenic | 108.5 | 2.370 | 100.0 | ug/L | 106% | | 70-130 | 2 | 20 | 1 |
| Barium | 213.2 | 111.0 | 100.0 | ug/L | 102% | | 70-130 | 2 | 20 | 1 |
| Beryllium | 103.3 | ND | 100.0 | ug/L | 103% | | 70-130 | 5 | 20 | 1 |
| Cadmium | 102.0 | ND | 100.0 | ug/L | 102% | | 70-130 | 0 | 20 | 1 |
| Chromium | 107.7 | 0.9868 | 100.0 | ug/L | 107% | | 70-130 | 6 | 20 | 1 |
| Cobalt | 110.9 | ND | 100.0 | ug/L | 111% | | 70-130 | 2 | 20 | 1 |
| Copper | 168.0 | 57.97 | 100.0 | ug/L | 110% | | 70-130 | 6 | 20 | 1 |
| Lead | 112.8 | 3.566 | 100.0 | ug/L | 109% | | 70-130 | 3 | 20 | 1 |
| Manganese | 107.3 | ND | 100.0 | ug/L | 107% | | 70-130 | 7 | 20 | 1 |
| Nickel | 109.4 | 2.175 | 100.0 | ug/L | 107% | | 70-130 | 6 | 20 | 1 |
| Selenium | 115.5 | 16.90 | 100.0 | ug/L | 99% | | 70-130 | 2 | 20 | 1 |
| Silver | 52.80 | ND | 50.00 | ug/L | 106% | | 70-130 | 3 | 20 | 1 |
| Thallium | 110.0 | ND | 100.0 | ug/L | 110% | | 70-130 | 3 | 20 | 1 |
| Vanadium | 115.0 | 6.224 | 100.0 | ug/L | 109% | | 70-130 | 5 | 20 | 1 |
| Zinc | 174.7 | 70.49 | 100.0 | ug/L | 104% | | 70-130 | 2 | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1236923 | Batch: | 365317 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528264-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1236923 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 220.0 | 57.53 | 100.0 | ug/L | 162% | * | 70-130 | 25 |
| Tin | 111.9 | 1.590 | 100.0 | ug/L | 110% | | 70-130 | 1 |
| Antimony | 123.6 | 1.797 | 100.0 | ug/L | 122% | | 70-130 | 1 |
| Arsenic | 106.4 | 1.070 | 100.0 | ug/L | 105% | | 70-130 | 1 |
| Barium | 109.1 | 3.449 | 100.0 | ug/L | 106% | | 70-130 | 1 |
| Beryllium | 101.8 | ND | 100.0 | ug/L | 102% | | 70-130 | 1 |
| Cadmium | 107.2 | ND | 100.0 | ug/L | 107% | | 70-130 | 1 |
| Chromium | 106.3 | 1.762 | 100.0 | ug/L | 105% | | 70-130 | 1 |
| Cobalt | 114.7 | 0.7840 | 100.0 | ug/L | 114% | | 70-130 | 1 |
| Copper | 120.3 | 10.74 | 100.0 | ug/L | 110% | | 70-130 | 1 |
| Lead | 106.6 | ND | 100.0 | ug/L | 107% | | 70-130 | 1 |
| Manganese | 3,340 | 3198 | 100.0 | ug/L | 141% | E,NM | 70-130 | 1 |
| Nickel | 118.1 | 11.65 | 100.0 | ug/L | 106% | | 70-130 | 1 |
| Selenium | 100.1 | ND | 100.0 | ug/L | 100% | | 70-130 | 1 |
| Silver | 52.48 | ND | 50.00 | ug/L | 105% | | 70-130 | 1 |
| Thallium | 105.1 | ND | 100.0 | ug/L | 105% | | 70-130 | 1 |
| Vanadium | 106.3 | ND | 100.0 | ug/L | 106% | | 70-130 | 1 |
| Zinc | 108.4 | ND | 100.0 | ug/L | 108% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1236924 | Batch: | 365317 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528264-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1236924 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 174.0 | 57.53 | 100.0 | ug/L | 116% | | 70-130 | 23* | 20 | 25 |
| Tin | 112.5 | 1.590 | 100.0 | ug/L | 111% | | 70-130 | 1 | 20 | 1 |
| Antimony | 122.6 | 1.797 | 100.0 | ug/L | 121% | | 70-130 | 1 | 20 | 1 |
| Arsenic | 107.3 | 1.070 | 100.0 | ug/L | 106% | | 70-130 | 1 | 20 | 1 |
| Barium | 108.9 | 3.449 | 100.0 | ug/L | 105% | | 70-130 | 0 | 20 | 1 |
| Beryllium | 103.9 | ND | 100.0 | ug/L | 104% | | 70-130 | 2 | 20 | 1 |
| Cadmium | 105.0 | ND | 100.0 | ug/L | 105% | | 70-130 | 2 | 20 | 1 |
| Chromium | 104.8 | 1.762 | 100.0 | ug/L | 103% | | 70-130 | 1 | 20 | 1 |
| Cobalt | 111.4 | 0.7840 | 100.0 | ug/L | 111% | | 70-130 | 3 | 20 | 1 |
| Copper | 124.8 | 10.74 | 100.0 | ug/L | 114% | | 70-130 | 4 | 20 | 1 |
| Lead | 105.9 | ND | 100.0 | ug/L | 106% | | 70-130 | 1 | 20 | 1 |
| Manganese | 3,358 | 3198 | 100.0 | ug/L | 159% | E,NM | 70-130 | | 20 | 1 |
| Nickel | 119.2 | 11.65 | 100.0 | ug/L | 108% | | 70-130 | 1 | 20 | 1 |
| Selenium | 96.28 | ND | 100.0 | ug/L | 96% | | 70-130 | 4 | 20 | 1 |
| Silver | 51.94 | ND | 50.00 | ug/L | 104% | | 70-130 | 1 | 20 | 1 |
| Thallium | 106.0 | ND | 100.0 | ug/L | 106% | | 70-130 | 1 | 20 | 1 |
| Vanadium | 105.1 | ND | 100.0 | ug/L | 105% | | 70-130 | 1 | 20 | 1 |
| Zinc | 109.9 | ND | 100.0 | ug/L | 110% | | 70-130 | 1 | 20 | 1 |

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# Batch QC

| Type: Blank | Lab ID: QC1238216 | Batch: 365699 |
|---|---|---|
| Matrix: Water | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1238216 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.032 | 03/12/25 | 03/12/25 |

| Type: Lab Control Sample | Lab ID: QC1238217 | Batch: 365699 |
|---|---|---|
| Matrix: Water | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1238217 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 4.926 | 5.000 | ug/L | 99% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1238218 | Batch: 365699 |
|---|---|---|
| Matrix (Source ID): Water (528395-002) | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1238218 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 4.675 | ND | 5.000 | ug/L | 94% | | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1238219 | Batch: 365699 |
|---|---|---|
| Matrix (Source ID): Water (528395-002) | Method: EPA 245.1 | Prep Method: EPA 245.1 |

| QC1238219 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 5.145 | ND | 5.000 | ug/L | 103% | | 75-125 | 10 | 20 | 1 |

| Type: Blank | Lab ID: QC1236710 | Batch: 365263 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1236710 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.072 | 03/07/25 16:00 | 03/07/25 18:01 |
| Chloride | ND | | mg/L | 1.0 | 0.27 | 03/07/25 16:00 | 03/07/25 18:01 |
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 03/07/25 16:00 | 03/07/25 18:01 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 03/07/25 16:00 | 03/07/25 18:01 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 03/07/25 16:00 | 03/07/25 18:01 |
| Sulfate | ND | | mg/L | 1.0 | 0.25 | 03/07/25 16:00 | 03/07/25 18:01 |

| Type: Lab Control Sample | Lab ID: QC1236711 | Batch: 365263 |
|---|---|---|
| Matrix: Water | Method: EPA 300.0 | Prep Method: METHOD |

| QC1236711 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.525 | 10.00 | mg/L | 95% | | 90-110 |
| Chloride | 47.10 | 50.00 | mg/L | 94% | | 90-110 |
| Nitrogen, Nitrite | 4.557 | 4.567 | mg/L | 100% | | 90-110 |
| Bromide | 14.87 | 15.00 | mg/L | 99% | | 90-110 |
| Nitrogen, Nitrate | 4.460 | 4.518 | mg/L | 99% | | 90-110 |
| Sulfate | 25.55 | 25.00 | mg/L | 102% | | 90-110 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1236712 | Batch: | 365263 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528150-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1236712 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 12.50 | ND | 20.00 | mg/L | 62% | b,* | 80-120 | 1 |
| Chloride | 186.8 | 94.86 | 100.0 | mg/L | 92% | | 80-120 | 1 |
| Nitrogen, Nitrite | 8.985 | ND | 9.134 | mg/L | 98% | | 80-120 | 1 |
| Bromide | 14.68 | 0.2620 | 15.00 | mg/L | 96% | | 80-120 | 1 |
| Nitrogen, Nitrate | 8.768 | ND | 9.036 | mg/L | 97% | | 80-120 | 1 |
| Sulfate | 68.13 | 22.38 | 50.00 | mg/L | 92% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1236713 | Batch: | 365263 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528150-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1236713 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 12.60 | ND | 20.00 | mg/L | 63% | b,* | 80-120 | 1 | 20 | 1 |
| Chloride | 187.2 | 94.86 | 100.0 | mg/L | 92% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrite | 9.035 | ND | 9.134 | mg/L | 99% | | 80-120 | 1 | 20 | 1 |
| Bromide | 14.78 | 0.2620 | 15.00 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 8.817 | ND | 9.036 | mg/L | 98% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 68.44 | 22.38 | 50.00 | mg/L | 92% | | 80-120 | 0 | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1240918 | Batch: | 366508 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1240918 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.021 | 1.000 | mg/L | 102% | | 90-110 |

| Type: | Blank | Lab ID: | QC1240919 | Batch: | 366508 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1240919 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 03/20/25 | 03/21/25 |

| Type: | Matrix Spike | Lab ID: | QC1241137 | Batch: | 366508 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Filtrate (528851-001) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1241137 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.017 | ND | 1.000 | mg/L | 102% | | 90-110 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1241138** | **Batch:** | **366508** |
| **Matrix (Source ID):** | **Filtrate (528851-001)** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1241138 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.021 | ND | 1.000 | mg/L | 102% | | 90-110 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1241139** | **Batch:** | **366508** |
| **Matrix (Source ID):** | **Filtrate (528851-002)** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1241139 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 2.013 | 0.9274 | 1.000 | mg/L | 109% | E | 90-110 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1241140** | **Batch:** | **366508** |
| **Matrix (Source ID):** | **Filtrate (528851-002)** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1241140 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 2.002 | 0.9274 | 1.000 | mg/L | 107% | E | 90-110 | | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1240153** | **Batch:** | **366250** |
| **Matrix:** | **Water** | **Method:** | **EPA 420.1** | **Prep Method:** | **METHOD** |

| QC1240153 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 03/18/25 | 03/18/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1240154** | **Batch:** | **366250** |
| **Matrix:** | **Water** | **Method:** | **EPA 420.1** | **Prep Method:** | **METHOD** |

| QC1240154 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Phenolics | 0.07500 | 0.08000 | mg/L | 94% | | 80-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1240155** | **Batch:** | **366250** |
| **Matrix:** | **Water** | **Method:** | **EPA 420.1** | **Prep Method:** | **METHOD** |

| QC1240155 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Phenolics | 0.07600 | 0.08000 | mg/L | 95% | | 80-120 | 1 | 20 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1236402 | Batch: 365181 |
|---|---|---|
| Matrix: Water | | |

| QC1236402 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | |
| Cresol | ND | | ug/L | 10 | | 03/07/25 | 03/07/25 |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | |
| Carbazole | ND | | ug/L | 10 | 1.4 | 03/07/25 | 03/07/25 |
| Pyridine | ND | | ug/L | 10 | 1.7 | 03/07/25 | 03/07/25 |
| N-Nitrosodimethylamine | ND | | ug/L | 10 | 1.4 | 03/07/25 | 03/07/25 |
| Phenol | ND | | ug/L | 10 | 0.77 | 03/07/25 | 03/07/25 |
| Aniline | ND | | ug/L | 10 | 1.7 | 03/07/25 | 03/07/25 |
| bis(2-Chloroethyl)ether | ND | | ug/L | 25 | 1.2 | 03/07/25 | 03/07/25 |
| 2-Chlorophenol | ND | | ug/L | 10 | 1.4 | 03/07/25 | 03/07/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 10 | 1.2 | 03/07/25 | 03/07/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 10 | 1.2 | 03/07/25 | 03/07/25 |
| Benzyl alcohol | ND | | ug/L | 10 | 2.0 | 03/07/25 | 03/07/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 10 | 1.5 | 03/07/25 | 03/07/25 |
| Hexachloroethane | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| Nitrobenzene | ND | | ug/L | 25 | 1.2 | 03/07/25 | 03/07/25 |
| Isophorone | ND | | ug/L | 10 | 2.2 | 03/07/25 | 03/07/25 |
| 2-Nitrophenol | ND | | ug/L | 10 | 2.2 | 03/07/25 | 03/07/25 |
| 2,4-Dimethylphenol | ND | | ug/L | 10 | 1.8 | 03/07/25 | 03/07/25 |
| Benzoic acid | ND | | ug/L | 50 | 6.3 | 03/07/25 | 03/07/25 |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 10 | 1.5 | 03/07/25 | 03/07/25 |
| 2,4-Dichlorophenol | ND | | ug/L | 10 | 2.2 | 03/07/25 | 03/07/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| Naphthalene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| 4-Chloroaniline | ND | | ug/L | 10 | 1.7 | 03/07/25 | 03/07/25 |
| Hexachlorobutadiene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| 4-Chloro-3-methylphenol | ND | | ug/L | 10 | 2.0 | 03/07/25 | 03/07/25 |
| 2-Methylnaphthalene | ND | | ug/L | 10 | 0.87 | 03/07/25 | 03/07/25 |
| Hexachlorocyclopentadiene | ND | | ug/L | 25 | 8.8 | 03/07/25 | 03/07/25 |
| 2,4,6-Trichlorophenol | ND | | ug/L | 10 | 2.4 | 03/07/25 | 03/07/25 |
| 2,4,5-Trichlorophenol | ND | | ug/L | 10 | 2.7 | 03/07/25 | 03/07/25 |
| 2-Chloronaphthalene | ND | | ug/L | 10 | 0.85 | 03/07/25 | 03/07/25 |
| 2-Nitroaniline | ND | | ug/L | 50 | 1.9 | 03/07/25 | 03/07/25 |
| Dimethylphthalate | ND | | ug/L | 10 | 1.7 | 03/07/25 | 03/07/25 |
| Acenaphthylene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| 2,6-Dinitrotoluene | ND | | ug/L | 10 | 1.6 | 03/07/25 | 03/07/25 |
| 3-Nitroaniline | ND | | ug/L | 10 | 2.3 | 03/07/25 | 03/07/25 |
| Acenaphthene | ND | | ug/L | 10 | 0.86 | 03/07/25 | 03/07/25 |
| 2,4-Dinitrophenol | ND | | ug/L | 50 | 9.9 | 03/07/25 | 03/07/25 |
| 4-Nitrophenol | ND | | ug/L | 10 | 2.2 | 03/07/25 | 03/07/25 |
| Dibenzofuran | ND | | ug/L | 10 | 0.88 | 03/07/25 | 03/07/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1236402 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 2,4-Dinitrotoluene | ND | | ug/L | 10 | 1.5 | 03/07/25 | 03/07/25 |
| Diethylphthalate | ND | | ug/L | 10 | 1.6 | 03/07/25 | 03/07/25 |
| Fluorene | ND | | ug/L | 10 | 0.92 | 03/07/25 | 03/07/25 |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 10 | 0.84 | 03/07/25 | 03/07/25 |
| 4-Nitroaniline | ND | | ug/L | 10 | 4.2 | 03/07/25 | 03/07/25 |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 50 | 2.5 | 03/07/25 | 03/07/25 |
| N-Nitrosodiphenylamine | ND | | ug/L | 10 | 2.4 | 03/07/25 | 03/07/25 |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| 4-Bromophenyl-phenylether | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| Hexachlorobenzene | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| Pentachlorophenol | ND | | ug/L | 25 | 10 | 03/07/25 | 03/07/25 |
| Phenanthrene | ND | | ug/L | 10 | 0.99 | 03/07/25 | 03/07/25 |
| Anthracene | ND | | ug/L | 10 | 1.1 | 03/07/25 | 03/07/25 |
| Di-n-butylphthalate | ND | | ug/L | 10 | 1.9 | 03/07/25 | 03/07/25 |
| Fluoranthene | ND | | ug/L | 10 | 1.2 | 03/07/25 | 03/07/25 |
| Benzidine | ND | | ug/L | 50 | 7.6 | 03/07/25 | 03/07/25 |
| Pyrene | ND | | ug/L | 10 | 1.2 | 03/07/25 | 03/07/25 |
| Butylbenzylphthalate | ND | | ug/L | 10 | 2.6 | 03/07/25 | 03/07/25 |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 25 | 7.2 | 03/07/25 | 03/07/25 |
| Benzo(a)anthracene | ND | | ug/L | 10 | 1.3 | 03/07/25 | 03/07/25 |
| Chrysene | ND | | ug/L | 10 | 1.4 | 03/07/25 | 03/07/25 |
| bis(2-Ethylhexyl)phthalate | 3.3 | J | ug/L | 10 | 2.8 | 03/07/25 | 03/07/25 |
| Di-n-octylphthalate | ND | | ug/L | 10 | 5.9 | 03/07/25 | 03/07/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 10 | 1.9 | 03/07/25 | 03/07/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 10 | 2.6 | 03/07/25 | 03/07/25 |
| Benzo(a)pyrene | ND | | ug/L | 10 | 1.5 | 03/07/25 | 03/07/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 10 | 5.2 | 03/07/25 | 03/07/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 10 | 4.2 | 03/07/25 | 03/07/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 10 | 1.6 | 03/07/25 | 03/07/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 40% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| Phenol-d6 | 25% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| 2,4,6-Tribromophenol | 51% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| Nitrobenzene-d5 | 59% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| 2-Fluorobiphenyl | 53% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |
| Terphenyl-d14 | 66% | | %REC | 20-140 | | 03/07/25 | 03/07/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1236403** | **Batch:** | **365181** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1236403 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 22.69 | 75.00 | ug/L | 30% | | 13-120 |
| 2-Chlorophenol | 45.39 | 75.00 | ug/L | 61% | | 31-120 |
| 1,4-Dichlorobenzene | 43.62 | 75.00 | ug/L | 58% | | 24-120 |
| 3-,4-Methylphenol | 45.48 | 75.00 | ug/L | 61% | | 29-120 |
| N-Nitroso-di-n-propylamine | 57.22 | 75.00 | ug/L | 76% | | 32-120 |
| 2,4-Dimethylphenol | 52.15 | 75.00 | ug/L | 70% | | 25-120 |
| 1,2,4-Trichlorobenzene | 44.70 | 75.00 | ug/L | 60% | | 26-120 |
| 4-Chloro-3-methylphenol | 55.85 | 75.00 | ug/L | 74% | | 39-120 |
| 2,4,5-Trichlorophenol | 52.47 | 75.00 | ug/L | 70% | | 38-120 |
| Acenaphthene | 49.80 | 75.00 | ug/L | 66% | | 33-120 |
| 4-Nitrophenol | 33.08 | 75.00 | ug/L | 44% | | 12-120 |
| 2,4-Dinitrotoluene | 59.93 | 75.00 | ug/L | 80% | | 46-120 |
| Pentachlorophenol | 52.09 | 75.00 | ug/L | 69% | | 37-120 |
| Pyrene | 57.41 | 75.00 | ug/L | 77% | | 47-120 |
| Chrysene | 59.63 | 75.00 | ug/L | 80% | | 48-120 |
| Benzo(b)fluoranthene | 60.60 | 75.00 | ug/L | 81% | | 46-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 16.86 | 40.00 | ug/L | 42% | | 20-140 |
| Phenol-d6 | 11.19 | 40.00 | ug/L | 28% | | 20-140 |
| 2,4,6-Tribromophenol | 28.91 | 40.00 | ug/L | 72% | | 20-140 |
| Nitrobenzene-d5 | 28.08 | 40.00 | ug/L | 70% | | 20-140 |
| 2-Fluorobiphenyl | 24.14 | 40.00 | ug/L | 60% | | 20-140 |
| Terphenyl-d14 | 27.11 | 40.00 | ug/L | 68% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1236404** | **Batch:** | **365181** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1236404 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 22.36 | 75.00 | ug/L | 30% | | 13-120 | 1 | 62 |
| 2-Chlorophenol | 44.40 | 75.00 | ug/L | 59% | | 31-120 | 2 | 62 |
| 1,4-Dichlorobenzene | 42.56 | 75.00 | ug/L | 57% | | 24-120 | 2 | 64 |
| 3-,4-Methylphenol | 44.09 | 75.00 | ug/L | 59% | | 29-120 | 3 | 62 |
| N-Nitroso-di-n-propylamine | 57.52 | 75.00 | ug/L | 77% | | 32-120 | 1 | 65 |
| 2,4-Dimethylphenol | 52.23 | 75.00 | ug/L | 70% | | 25-120 | 0 | 64 |
| 1,2,4-Trichlorobenzene | 44.35 | 75.00 | ug/L | 59% | | 26-120 | 1 | 63 |
| 4-Chloro-3-methylphenol | 56.54 | 75.00 | ug/L | 75% | | 39-120 | 1 | 58 |
| 2,4,5-Trichlorophenol | 53.77 | 75.00 | ug/L | 72% | | 38-120 | 2 | 59 |
| Acenaphthene | 51.96 | 75.00 | ug/L | 69% | | 33-120 | 4 | 52 |
| 4-Nitrophenol | 33.32 | 75.00 | ug/L | 44% | | 12-120 | 1 | 63 |
| 2,4-Dinitrotoluene | 62.77 | 75.00 | ug/L | 84% | | 46-120 | 5 | 41 |
| Pentachlorophenol | 53.49 | 75.00 | ug/L | 71% | | 37-120 | 3 | 42 |
| Pyrene | 60.74 | 75.00 | ug/L | 81% | | 47-120 | 6 | 43 |
| Chrysene | 61.64 | 75.00 | ug/L | 82% | | 48-120 | 3 | 46 |
| Benzo(b)fluoranthene | 64.83 | 75.00 | ug/L | 86% | | 46-120 | 7 | 47 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 16.39 | 40.00 | ug/L | 41% | | 20-140 | | |
| Phenol-d6 | 11.28 | 40.00 | ug/L | 28% | | 20-140 | | |
| 2,4,6-Tribromophenol | 30.42 | 40.00 | ug/L | 76% | | 20-140 | | |
| Nitrobenzene-d5 | 28.13 | 40.00 | ug/L | 70% | | 20-140 | | |
| 2-Fluorobiphenyl | 24.83 | 40.00 | ug/L | 62% | | 20-140 | | |
| Terphenyl-d14 | 29.44 | 40.00 | ug/L | 74% | | 20-140 | | |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1238703 | Batch: 365844 |
|---|---|---|
| Matrix: Water | | |

| QC1238703 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| beta-BHC | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| Heptachlor | ND | | ug/L | 0.05 | 0.01 | 03/13/25 | 03/14/25 |
| Aldrin | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| Endosulfan I | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| Dieldrin | ND | | ug/L | 0.1 | 0.01 | 03/13/25 | 03/14/25 |
| 4,4'-DDE | ND | | ug/L | 0.1 | 0.02 | 03/13/25 | 03/14/25 |
| Endrin | ND | | ug/L | 0.1 | 0.02 | 03/13/25 | 03/14/25 |
| Endosulfan II | ND | | ug/L | 0.1 | 0.02 | 03/13/25 | 03/14/25 |
| Endosulfan sulfate | ND | | ug/L | 0.1 | 0.02 | 03/13/25 | 03/14/25 |
| 4,4'-DDD | ND | | ug/L | 0.1 | 0.02 | 03/13/25 | 03/14/25 |
| Endrin aldehyde | ND | | ug/L | 0.1 | 0.03 | 03/13/25 | 03/14/25 |
| Endrin ketone | ND | | ug/L | 0.1 | 0.03 | 03/13/25 | 03/14/25 |
| 4,4'-DDT | ND | | ug/L | 0.1 | 0.04 | 03/13/25 | 03/14/25 |
| Methoxychlor | ND | | ug/L | 0.1 | 0.06 | 03/13/25 | 03/14/25 |
| Toxaphene | ND | | ug/L | 2.0 | 0.8 | 03/13/25 | 03/14/25 |
| Chlordane (Technical) | ND | | ug/L | 1.0 | 0.3 | 03/13/25 | 03/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| TCMX | 80% | | %REC | 14-120 | | 03/13/25 | 03/14/25 |
| Decachlorobiphenyl | 104% | | %REC | 20-120 | | 03/13/25 | 03/14/25 |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.50 | 0.37 | 03/13/25 | 03/14/25 |
| Aroclor-1221 | ND | | ug/L | 0.50 | 0.41 | 03/13/25 | 03/14/25 |
| Aroclor-1232 | ND | | ug/L | 0.50 | 0.36 | 03/13/25 | 03/14/25 |
| Aroclor-1242 | ND | | ug/L | 0.50 | 0.35 | 03/13/25 | 03/14/25 |
| Aroclor-1248 | ND | | ug/L | 0.50 | 0.34 | 03/13/25 | 03/14/25 |
| Aroclor-1254 | ND | | ug/L | 0.50 | 0.18 | 03/13/25 | 03/14/25 |
| Aroclor-1260 | ND | | ug/L | 0.50 | 0.45 | 03/13/25 | 03/14/25 |
| Aroclor-1262 | ND | | ug/L | 0.50 | 0.39 | 03/13/25 | 03/14/25 |
| Aroclor-1268 | ND | | ug/L | 0.50 | 0.25 | 03/13/25 | 03/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| Decachlorobiphenyl (PCB) | 107% | | %REC | 18-126 | | 03/13/25 | 03/14/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238704** | **Batch:** | **365844** |
| **Matrix:** | **Water** | **Method:** | **EPA 8081A** | **Prep Method:** | **EPA 3510C** |

| QC1238704 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| alpha-BHC | 0.5588 | 0.5000 | ug/L | 112% | | 53-120 |
| beta-BHC | 0.5936 | 0.5000 | ug/L | 119% | | 59-120 |
| gamma-BHC | 0.5737 | 0.5000 | ug/L | 115% | | 54-120 |
| delta-BHC | 0.5962 | 0.5000 | ug/L | 119% | | 58-120 |
| Heptachlor | 0.5112 | 0.5000 | ug/L | 102% | | 49-120 |
| Aldrin | 0.4852 | 0.5000 | ug/L | 97% | | 47-120 |
| Heptachlor epoxide | 0.5215 | 0.5000 | ug/L | 104% | | 53-120 |
| Endosulfan I | 0.5354 | 0.5000 | ug/L | 107% | | 56-120 |
| Dieldrin | 0.5093 | 0.5000 | ug/L | 102% | | 55-120 |
| 4,4'-DDE | 0.5578 | 0.5000 | ug/L | 112% | | 55-120 |
| Endrin | 0.5529 | 0.5000 | ug/L | 111% | | 57-120 |
| Endosulfan II | 0.5385 | 0.5000 | ug/L | 108% | | 58-120 |
| Endosulfan sulfate | 0.5516 | 0.5000 | ug/L | 110% | | 56-120 |
| 4,4'-DDD | 0.5316 | 0.5000 | ug/L | 106% | | 53-120 |
| Endrin aldehyde | 0.5188 | 0.5000 | ug/L | 104% | | 45-120 |
| Endrin ketone | 0.5776 | 0.5000 | ug/L | 116% | | 61-120 |
| 4,4'-DDT | 0.5493 | 0.5000 | ug/L | 110% | | 58-120 |
| Methoxychlor | 0.5991 | 0.5000 | ug/L | 120% | | 54-120 |
| **Surrogates** | | | | | | |
| TCMX | 0.4216 | 0.5000 | ug/L | 84% | | 14-120 |
| Decachlorobiphenyl | 0.5196 | 0.5000 | ug/L | 104% | | 20-120 |

# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1238705 | Batch: | 365844 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8081A | Prep Method: | EPA 3510C |

| QC1238705 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | 0.5092 | 0.5000 | ug/L | 102% | | 53-120 | 9 | 20 |
| beta-BHC | 0.5386 | 0.5000 | ug/L | 108% | | 59-120 | 10 | 20 |
| gamma-BHC | 0.5204 | 0.5000 | ug/L | 104% | | 54-120 | 10 | 20 |
| delta-BHC | 0.5447 | 0.5000 | ug/L | 109% | | 58-120 | 9 | 20 |
| Heptachlor | 0.4701 | 0.5000 | ug/L | 94% | | 49-120 | 8 | 20 |
| Aldrin | 0.4501 | 0.5000 | ug/L | 90% | | 47-120 | 8 | 20 |
| Heptachlor epoxide | 0.4779 | 0.5000 | ug/L | 96% | | 53-120 | 9 | 20 |
| Endosulfan I | 0.4905 | 0.5000 | ug/L | 98% | | 56-120 | 9 | 20 |
| Dieldrin | 0.4657 | 0.5000 | ug/L | 93% | | 55-120 | 9 | 20 |
| 4,4'-DDE | 0.5109 | 0.5000 | ug/L | 102% | | 55-120 | 9 | 20 |
| Endrin | 0.5052 | 0.5000 | ug/L | 101% | | 57-120 | 9 | 20 |
| Endosulfan II | 0.5010 | 0.5000 | ug/L | 100% | | 58-120 | 7 | 20 |
| Endosulfan sulfate | 0.5076 | 0.5000 | ug/L | 102% | | 56-120 | 8 | 20 |
| 4,4'-DDD | 0.4947 | 0.5000 | ug/L | 99% | | 53-120 | 7 | 20 |
| Endrin aldehyde | 0.4763 | 0.5000 | ug/L | 95% | | 45-120 | 9 | 20 |
| Endrin ketone | 0.5313 | 0.5000 | ug/L | 106% | | 61-120 | 8 | 20 |
| 4,4'-DDT | 0.5099 | 0.5000 | ug/L | 102% | | 58-120 | 7 | 20 |
| Methoxychlor | 0.5594 | 0.5000 | ug/L | 112% | | 54-120 | 7 | 20 |
| **Surrogates** | | | | | | | | |
| TCMX | 0.4005 | 0.5000 | ug/L | 80% | | 14-120 | | |
| Decachlorobiphenyl | 0.4854 | 0.5000 | ug/L | 97% | | 20-120 | | |

| Type: | Lab Control Sample | Lab ID: | QC1238710 | Batch: | 365844 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1238710 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 5.654 | 5.000 | ug/L | 113% | | 36-143 |
| Aroclor-1260 | 6.222 | 5.000 | ug/L | 124% | | 31-153 |
| **Surrogates** | | | | | | |
| Decachlorobiphenyl (PCB) | 0.5832 | 0.5000 | ug/L | 117% | | 18-126 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1238711 | Batch: | 365844 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1238711 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 5.826 | 5.000 | ug/L | 117% | | 36-143 | 3 | 39 |
| Aroclor-1260 | 6.537 | 5.000 | ug/L | 131% | | 31-153 | 5 | 20 |
| **Surrogates** | | | | | | | | |
| Decachlorobiphenyl (PCB) | 0.6115 | 0.5000 | ug/L | 122% | | 18-126 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1237194** | **Batch:** | **365377** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1237194 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.7 | 03/10/25 | 03/10/25 |
| 2-Chloroethylvinylether | ND | | ug/L | 50 | 2.7 | 03/10/25 | 03/10/25 |
| Chloroprene | ND | b | ug/L | 200 | 0.6 | 03/10/25 | 03/10/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 03/10/25 | 03/10/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.3 | 03/10/25 | 03/10/25 |
| Ethanol | ND | | ug/L | 500 | 250 | 03/10/25 | 03/10/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.8 | 03/10/25 | 03/10/25 |
| Iodomethane | ND | | ug/L | 5.8 | 5.8 | 03/10/25 | 03/10/25 |
| Isopropanol (IPA) | ND | | ug/L | 200 | 64 | 03/10/25 | 03/10/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.2 | 03/10/25 | 03/10/25 |
| Vinyl Acetate | ND | | ug/L | 50 | 2.5 | 03/10/25 | 03/10/25 |
| Acrolein | ND | | ug/L | 200 | 2.2 | 03/10/25 | 03/10/25 |
| Acrylonitrile | ND | | ug/L | 10 | 0.7 | 03/10/25 | 03/10/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 03/10/25 | 03/10/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/10/25 | 03/10/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 03/10/25 | 03/10/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Acetone | ND | | ug/L | 100 | 44 | 03/10/25 | 03/10/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 03/10/25 | 03/10/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 03/10/25 | 03/10/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 03/10/25 | 03/10/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 03/10/25 | 03/10/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 03/10/25 | 03/10/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 03/10/25 | 03/10/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |

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## Batch QC

| QC1237194 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 03/10/25 | 03/10/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 03/10/25 | 03/10/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 03/10/25 | 03/10/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/10/25 | 03/10/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/10/25 | 03/10/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/10/25 | 03/10/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 03/10/25 | 03/10/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/10/25 | 03/10/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/10/25 | 03/10/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,4-Dichlorobenzene | 0.2 | J | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| n-Butylbenzene | 0.2 | J | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 03/10/25 | 03/10/25 |
| 1,2,4-Trichlorobenzene | 0.3 | J | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 03/10/25 | 03/10/25 |
| Naphthalene | 0.6 | J | ug/L | 5.0 | 0.5 | 03/10/25 | 03/10/25 |
| 1,2,3-Trichlorobenzene | 0.3 | J | ug/L | 5.0 | 0.3 | 03/10/25 | 03/10/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 03/10/25 | 03/10/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 03/10/25 | 03/10/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/10/25 | 03/10/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 105% | | %REC | 70-130 | | 03/10/25 | 03/10/25 |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 03/10/25 | 03/10/25 |
| Toluene-d8 | 95% | | %REC | 70-130 | | 03/10/25 | 03/10/25 |
| Bromofluorobenzene | 104% | | %REC | 70-130 | | 03/10/25 | 03/10/25 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1237303 | Batch: | 365377 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528004-004) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1237303 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 18.90 | ND | 20.00 | ug/L | 94% | | 70-130 | 1 |
| MTBE | 17.53 | ND | 20.00 | ug/L | 88% | | 75-130 | 1 |
| Benzene | 17.96 | ND | 20.00 | ug/L | 90% | | 70-130 | 1 |
| Trichloroethene | 19.83 | ND | 20.00 | ug/L | 99% | | 63-130 | 1 |
| Toluene | 18.45 | ND | 20.00 | ug/L | 92% | | 70-130 | 1 |
| Chlorobenzene | 19.49 | ND | 20.00 | ug/L | 97% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.86 | | 50.00 | ug/L | 104% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 47.93 | | 50.00 | ug/L | 96% | | 70-130 | 1 |
| Toluene-d8 | 48.90 | | 50.00 | ug/L | 98% | | 70-130 | 1 |
| Bromofluorobenzene | 49.81 | | 50.00 | ug/L | 100% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1237304 | Batch: | 365377 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528004-004) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1237304 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 16.60 | ND | 20.00 | ug/L | 83% | | 70-130 | 13 | 30 | 1 |
| MTBE | 16.46 | ND | 20.00 | ug/L | 82% | | 75-130 | 6 | 30 | 1 |
| Benzene | 15.82 | ND | 20.00 | ug/L | 79% | | 70-130 | 13 | 30 | 1 |
| Trichloroethene | 16.58 | ND | 20.00 | ug/L | 83% | | 63-130 | 18 | 30 | 1 |
| Toluene | 15.78 | ND | 20.00 | ug/L | 79% | | 70-130 | 16 | 30 | 1 |
| Chlorobenzene | 16.76 | ND | 20.00 | ug/L | 84% | | 70-130 | 15 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 53.31 | | 50.00 | ug/L | 107% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 50.05 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| Toluene-d8 | 47.92 | | 50.00 | ug/L | 96% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.81 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1237320 | Batch: | 365377 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1237320 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.00 | 50.00 | ug/L | 98% | | 70-135 |
| MTBE | 42.55 | 50.00 | ug/L | 85% | | 70-130 |
| Benzene | 45.94 | 50.00 | ug/L | 92% | | 70-130 |
| Trichloroethene | 49.68 | 50.00 | ug/L | 99% | | 70-130 |
| Toluene | 47.11 | 50.00 | ug/L | 94% | | 70-130 |
| Chlorobenzene | 48.40 | 50.00 | ug/L | 97% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.31 | 50.00 | ug/L | 103% | | 70-130 |
| 1,2-Dichloroethane-d4 | 50.86 | 50.00 | ug/L | 102% | | 70-130 |
| Toluene-d8 | 48.22 | 50.00 | ug/L | 96% | | 70-130 |
| Bromofluorobenzene | 48.71 | 50.00 | ug/L | 97% | | 70-130 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1237288 | Batch: 365396 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1237288 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 54.28 | 50.00 | ug/L | 109% | | 70-135 |
| MTBE | 48.11 | 50.00 | ug/L | 96% | | 70-130 |
| Benzene | 51.07 | 50.00 | ug/L | 102% | | 70-130 |
| Trichloroethene | 49.66 | 50.00 | ug/L | 99% | | 70-130 |
| Toluene | 51.36 | 50.00 | ug/L | 103% | | 70-130 |
| Chlorobenzene | 50.33 | 50.00 | ug/L | 101% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 51.56 | 50.00 | ug/L | 103% | | 70-130 |
| 1,2-Dichloroethane-d4 | 50.23 | 50.00 | ug/L | 100% | | 70-130 |
| Toluene-d8 | 49.97 | 50.00 | ug/L | 100% | | 70-130 |
| Bromofluorobenzene | 50.81 | 50.00 | ug/L | 102% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1237289 | Batch: 365396 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1237289 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 55.05 | 50.00 | ug/L | 110% | | 70-135 | 1 | 30 |
| MTBE | 50.07 | 50.00 | ug/L | 100% | | 70-130 | 4 | 30 |
| Benzene | 52.73 | 50.00 | ug/L | 105% | | 70-130 | 3 | 30 |
| Trichloroethene | 50.81 | 50.00 | ug/L | 102% | | 70-130 | 2 | 30 |
| Toluene | 52.80 | 50.00 | ug/L | 106% | | 70-130 | 3 | 30 |
| Chlorobenzene | 52.05 | 50.00 | ug/L | 104% | | 70-130 | 3 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.97 | 50.00 | ug/L | 104% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 49.88 | 50.00 | ug/L | 100% | | 70-130 | | |
| Toluene-d8 | 50.25 | 50.00 | ug/L | 101% | | 70-130 | | |
| Bromofluorobenzene | 51.00 | 50.00 | ug/L | 102% | | 70-130 | | |

| Type: Matrix Spike | Lab ID: QC1237290 | Batch: 365396 |
|---|---|---|
| Matrix (Source ID): Water (527475-005) | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1237290 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 20.45 | ND | 20.00 | ug/L | 102% | | 70-130 | 1 |
| MTBE | 20.99 | ND | 20.00 | ug/L | 105% | | 75-130 | 1 |
| Benzene | 20.47 | ND | 20.00 | ug/L | 102% | | 70-130 | 1 |
| Trichloroethene | 21.05 | ND | 20.00 | ug/L | 105% | | 63-130 | 1 |
| Toluene | 20.25 | ND | 20.00 | ug/L | 101% | | 70-130 | 1 |
| Chlorobenzene | 20.09 | ND | 20.00 | ug/L | 100% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 50.75 | | 50.00 | ug/L | 102% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 49.58 | | 50.00 | ug/L | 99% | | 70-130 | 1 |
| Toluene-d8 | 50.13 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| Bromofluorobenzene | 50.14 | | 50.00 | ug/L | 100% | | 70-130 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1237291** | **Batch:** | **365396** |
| **Matrix (Source ID):** | **Water (527475-005)** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1237291 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 18.55 | ND | 20.00 | ug/L | 93% | | 70-130 | 10 | 30 | 1 |
| MTBE | 18.46 | ND | 20.00 | ug/L | 92% | | 75-130 | 13 | 30 | 1 |
| Benzene | 18.25 | ND | 20.00 | ug/L | 91% | | 70-130 | 11 | 30 | 1 |
| Trichloroethene | 18.24 | ND | 20.00 | ug/L | 91% | | 63-130 | 14 | 30 | 1 |
| Toluene | 18.06 | ND | 20.00 | ug/L | 90% | | 70-130 | 11 | 30 | 1 |
| Chlorobenzene | 18.00 | ND | 20.00 | ug/L | 90% | | 70-130 | 11 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 51.12 | | 50.00 | ug/L | 102% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 50.02 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| Toluene-d8 | 49.95 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| Bromofluorobenzene | 49.78 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1237292** | **Batch:** | **365396** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1237292 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 1.2 | 03/10/25 | 03/10/25 |
| Chloroprene | ND | | ug/L | 200 | 2.0 | 03/10/25 | 03/10/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 03/10/25 | 03/10/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 3.4 | 03/10/25 | 03/10/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 2.5 | 03/10/25 | 03/10/25 |
| Iodomethane | ND | | ug/L | 5.0 | 1.3 | 03/10/25 | 03/10/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 4.9 | 03/10/25 | 03/10/25 |
| Acrylonitrile | ND | | ug/L | 10 | 1.0 | 03/10/25 | 03/10/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/10/25 | 03/10/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 03/10/25 | 03/10/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Acetone | ND | | ug/L | 100 | 16 | 03/10/25 | 03/10/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 03/10/25 | 03/10/25 |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 03/10/25 | 03/10/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 03/10/25 | 03/10/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 03/10/25 | 03/10/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 03/10/25 | 03/10/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Benzene | ND | | ug/L | 1.0 | 0.09 | 03/10/25 | 03/10/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 03/10/25 | 03/10/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 03/10/25 | 03/10/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 03/10/25 | 03/10/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |

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# Batch QC

| QC1237292 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 03/10/25 | 03/10/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/10/25 | 03/10/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 03/10/25 | 03/10/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 03/10/25 | 03/10/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 03/10/25 | 03/10/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| Naphthalene | 0.2 | J | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/10/25 | 03/10/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 03/10/25 | 03/10/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 03/10/25 | 03/10/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/10/25 | 03/10/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 03/10/25 | 03/10/25 |
| 1,2-Dichloroethane-d4 | 107% | | %REC | 70-130 | | 03/10/25 | 03/10/25 |
| Toluene-d8 | 99% | | %REC | 70-130 | | 03/10/25 | 03/10/25 |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 03/10/25 | 03/10/25 |

**Type: Blank** **Lab ID: QC1238224** **Batch: 365701**
**Matrix: Water** **Method: EPA 8270C-SIM** **Prep Method: EPA 3535**

| QC1238224 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 03/12/25 | 03/13/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 03/12/25 | 03/13/25 |

**Type: Lab Control Sample** **Lab ID: QC1238225** **Batch: 365701**
**Matrix: Water** **Method: EPA 8270C-SIM** **Prep Method: EPA 3535**

| QC1238225 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.502 | 10.00 | ug/L | 85% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.996 | 10.00 | ug/L | 100% | | 80-120 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1238226** | **Batch:** | **365701** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3535** |

| QC1238226 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.346 | 10.00 | ug/L | 93% | | 80-120 | 9 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.09 | 10.00 | ug/L | 101% | | 80-120 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1238295** | **Batch:** | **365723** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1238295 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | | ug/L | 0.50 | 0.19 | 03/12/25 | 03/13/25 |
| 2-Methylnaphthalene | ND | | ug/L | 0.50 | 0.24 | 03/12/25 | 03/13/25 |
| Naphthalene | ND | | ug/L | 0.50 | 0.20 | 03/12/25 | 03/13/25 |
| Acenaphthylene | ND | | ug/L | 0.50 | 0.21 | 03/12/25 | 03/13/25 |
| Acenaphthene | ND | | ug/L | 0.50 | 0.17 | 03/12/25 | 03/13/25 |
| Fluorene | ND | | ug/L | 0.50 | 0.17 | 03/12/25 | 03/13/25 |
| Phenanthrene | ND | | ug/L | 0.50 | 0.19 | 03/12/25 | 03/13/25 |
| Anthracene | ND | | ug/L | 0.50 | 0.18 | 03/12/25 | 03/13/25 |
| Fluoranthene | ND | | ug/L | 0.50 | 0.17 | 03/12/25 | 03/13/25 |
| Pyrene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(a)anthracene | ND | | ug/L | 0.50 | 0.15 | 03/12/25 | 03/13/25 |
| Chrysene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(a)pyrene | ND | | ug/L | 0.50 | 0.13 | 03/12/25 | 03/13/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.50 | 0.14 | 03/12/25 | 03/13/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.50 | 0.19 | 03/12/25 | 03/13/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.50 | 0.20 | 03/12/25 | 03/13/25 |
| **Surrogates** | | | | **Limits** | | | |
| Nitrobenzene-d5 | 80% | | %REC | 16-125 | | 03/12/25 | 03/13/25 |
| 2-Fluorobiphenyl | 79% | | %REC | 17-120 | | 03/12/25 | 03/13/25 |
| Terphenyl-d14 | 96% | | %REC | 39-123 | | 03/12/25 | 03/13/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238296** | **Batch:** | **365723** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1238296 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.179 | 4.000 | ug/L | 79% | | 23-120 |
| 2-Methylnaphthalene | 3.094 | 4.000 | ug/L | 77% | | 33-120 |
| Naphthalene | 3.072 | 4.000 | ug/L | 77% | | 38-120 |
| Acenaphthylene | 3.059 | 4.000 | ug/L | 76% | | 37-120 |
| Acenaphthene | 2.980 | 4.000 | ug/L | 74% | | 39-120 |
| Fluorene | 3.136 | 4.000 | ug/L | 78% | | 43-120 |
| Phenanthrene | 3.113 | 4.000 | ug/L | 78% | | 42-120 |
| Anthracene | 3.196 | 4.000 | ug/L | 80% | | 42-120 |
| Fluoranthene | 3.230 | 4.000 | ug/L | 81% | | 48-120 |
| Pyrene | 3.235 | 4.000 | ug/L | 81% | | 44-120 |
| Benzo(a)anthracene | 3.419 | 4.000 | ug/L | 85% | | 51-126 |
| Chrysene | 3.393 | 4.000 | ug/L | 85% | | 47-120 |
| Benzo(b)fluoranthene | 3.207 | 4.000 | ug/L | 80% | | 44-127 |
| Benzo(k)fluoranthene | 3.253 | 4.000 | ug/L | 81% | | 43-127 |
| Benzo(a)pyrene | 3.181 | 4.000 | ug/L | 80% | | 29-124 |
| Indeno(1,2,3-cd)pyrene | 3.666 | 4.000 | ug/L | 92% | | 44-127 |
| Dibenz(a,h)anthracene | 3.744 | 4.000 | ug/L | 94% | | 55-120 |
| Benzo(g,h,i)perylene | 3.715 | 4.000 | ug/L | 93% | | 46-120 |
| **Surrogates** | | | | | | |
| Nitrobenzene-d5 | 3.001 | 4.000 | ug/L | 75% | | 16-125 |
| 2-Fluorobiphenyl | 3.042 | 4.000 | ug/L | 76% | | 17-120 |
| Terphenyl-d14 | 3.532 | 4.000 | ug/L | 88% | | 39-123 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1238297** | **Batch:** | **365723** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1238297 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.347 | 4.000 | ug/L | 84% | | 23-120 | 5 | 20 |
| 2-Methylnaphthalene | 3.263 | 4.000 | ug/L | 82% | | 33-120 | 5 | 20 |
| Naphthalene | 3.236 | 4.000 | ug/L | 81% | | 38-120 | 5 | 20 |
| Acenaphthylene | 3.309 | 4.000 | ug/L | 83% | | 37-120 | 8 | 20 |
| Acenaphthene | 3.141 | 4.000 | ug/L | 79% | | 39-120 | 5 | 20 |
| Fluorene | 3.327 | 4.000 | ug/L | 83% | | 43-120 | 6 | 20 |
| Phenanthrene | 3.185 | 4.000 | ug/L | 80% | | 42-120 | 2 | 20 |
| Anthracene | 3.277 | 4.000 | ug/L | 82% | | 42-120 | 3 | 20 |
| Fluoranthene | 3.226 | 4.000 | ug/L | 81% | | 48-120 | 0 | 20 |
| Pyrene | 3.224 | 4.000 | ug/L | 81% | | 44-120 | 0 | 20 |
| Benzo(a)anthracene | 3.470 | 4.000 | ug/L | 87% | | 51-126 | 1 | 20 |
| Chrysene | 3.473 | 4.000 | ug/L | 87% | | 47-120 | 2 | 20 |
| Benzo(b)fluoranthene | 3.300 | 4.000 | ug/L | 83% | | 44-127 | 3 | 20 |
| Benzo(k)fluoranthene | 3.375 | 4.000 | ug/L | 84% | | 43-127 | 4 | 20 |
| Benzo(a)pyrene | 3.345 | 4.000 | ug/L | 84% | | 29-124 | 5 | 20 |
| Indeno(1,2,3-cd)pyrene | 3.619 | 4.000 | ug/L | 90% | | 44-127 | 1 | 20 |
| Dibenz(a,h)anthracene | 3.687 | 4.000 | ug/L | 92% | | 55-120 | 2 | 20 |
| Benzo(g,h,i)perylene | 3.675 | 4.000 | ug/L | 92% | | 46-120 | 1 | 20 |
| **Surrogates** | | | | | | | | |
| Nitrobenzene-d5 | 3.174 | 4.000 | ug/L | 79% | | 16-125 | | |
| 2-Fluorobiphenyl | 3.247 | 4.000 | ug/L | 81% | | 17-120 | | |
| Terphenyl-d14 | 3.526 | 4.000 | ug/L | 88% | | 39-123 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1238331** | **Batch:** | **365712** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1238331 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 03/12/25 | 03/12/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238332** | **Batch:** | **365712** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1238332 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Cyanide | 0.1092 | 0.1000 | mg/L | 109% | | 76-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1238333** | **Batch:** | **365712** |
| **Matrix (Source ID):** | **Water (528317-001)** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1238333 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.1019 | 0.01614 | 0.1000 | mg/L | 86% | | 65-121 | 0.5 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238334 | Batch: | 365712 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528317-001) | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1238334 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.1038 | 0.01614 | 0.1000 | mg/L | 88% | | 65-121 | 2 | 30 | 0.5 |

| Type: | Blank | Lab ID: | QC1238180 | Batch: | 365688 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1238180 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/12/25 | 03/12/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238183 | Batch: | 365688 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1238183 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1238184 | Batch: | 365688 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528033-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1238184 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238185 | Batch: | 365688 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528033-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1238185 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1239206 | Batch: | 366009 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1239206 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 03/14/25 | 03/15/25 |

| Type: | Lab Control Sample | Lab ID: | QC1239207 | Batch: | 366009 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1239207 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 23.16 | 25.00 | mg/L | 93% | | 85-115 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1239208 | Batch: | 366009 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528202-002) | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1239208 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 4,069 | 4283 | 25.00 | mg/L | -856% | NM | 75-125 | 27 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239209 | Batch: | 366009 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528202-002) | Method: | SM 5310B | Prep Method: | SM 5310B |

| QC1239209 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 4,016 | 4283 | 25.00 | mg/L | -1068% | NM | 75-125 | 1 | 25 | 27 |

| Type: | Sample Duplicate | Lab ID: | QC1236782 | Batch: | 365276 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528149-001) | Method: | SM2130B | | |

| QC1236782 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Turbidity | 1.470 | 1.420 | NTU | | 3 | 20 | 1 |

| Type: | Sample Duplicate | Lab ID: | QC1236783 | Batch: | 365276 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528317-001) | Method: | SM2130B | | |

| QC1236783 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Turbidity | 371.0 | 406.0 | NTU | | 9 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1240326 | Batch: | 366324 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1240326 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Bicarbonate | ND | | mg/L | 2.0 | | 03/18/25 | 03/18/25 |
| Carbonate | ND | | mg/L | 2.0 | | 03/18/25 | 03/18/25 |
| Hydroxide | ND | | mg/L | 2.0 | | 03/18/25 | 03/18/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 03/18/25 | 03/18/25 |

| Type: | Lab Control Sample | Lab ID: | QC1240327 | Batch: | 366324 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1240327 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 919.8 | 1000 | mg/L | 92% | | 90-110 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Sample Duplicate | Lab ID: | QC1240328 | Batch: | 366324 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528783-001) | Method: | SM2320B | Prep Method: | METHOD |

| QC1240328 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Bicarbonate | 774.7 | 759.2 | mg/L | | 2 | 20 | 10 |
| Carbonate | ND | ND | mg/L | | | 20 | 10 |
| Hydroxide | ND | ND | mg/L | | | 20 | 10 |
| Alkalinity, Total as CaCO3 | 635.0 | 622.3 | mg/L | | 2 | 20 | 10 |

| Type: | Sample Duplicate | Lab ID: | QC1239580 | Batch: | 366104 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528097-001) | Method: | SM2510B | Prep Method: | METHOD |

| QC1239580 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 1,544 | 1532 | umhos/cm | | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1238701 | Batch: | 365843 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1238701 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 03/13/25 | 03/16/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238702 | Batch: | 365843 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1238702 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 616.0 | 614.0 | mg/L | 100% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1238709 | Batch: | 365843 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528436-001) | Method: | SM2540C | Prep Method: | METHOD |

| QC1238709 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,896 | 1946 | mg/L | | 3 | 5 | 2 |

| Type: | Sample Duplicate | Lab ID: | QC1238712 | Batch: | 365843 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528522-002) | Method: | SM2540C | Prep Method: | METHOD |

| QC1238712 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,008 | 996.0 | mg/L | | 1 | 5 | 2 |

ENTHALPY ANALYTICAL

# Batch QC

**Type: Blank** **Lab ID: QC1238502** **Batch: 365772**
**Matrix: Water** **Method: SM2540D** **Prep Method: METHOD**

| QC1238502 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | mg/L | 0.5 | | 03/13/25 | 03/15/25 |

**Type: Lab Control Sample** **Lab ID: QC1238503** **Batch: 365772**
**Matrix: Water** **Method: SM2540D** **Prep Method: METHOD**

| QC1238503 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Suspended Solids | 100.3 | 100.0 | mg/L | 100% | | 90-110 |

**Type: Lab Control Sample Duplicate** **Lab ID: QC1238504** **Batch: 365772**
**Matrix: Water** **Method: SM2540D** **Prep Method: METHOD**

| QC1238504 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 103.9 | 100.0 | mg/L | 104% | | 90-110 | 4 | 5 |

**Type: Sample Duplicate** **Lab ID: QC1238505** **Batch: 365772**
**Matrix (Source ID): Water (527810-007)** **Method: SM2540D** **Prep Method: METHOD**

| QC1238505 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 143.4 | 142.1 | mg/L | | 1 | 5 | 1 |

**Type: Sample Duplicate** **Lab ID: QC1238506** **Batch: 365772**
**Matrix (Source ID): Water (528426-001)** **Method: SM2540D** **Prep Method: METHOD**

| QC1238506 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 114.6 | 118.8 | mg/L | | 4 | 5 | 1 |

**Type: Blank** **Lab ID: QC1236673** **Batch: 365251**
**Matrix: Water** **Method: SM5210B** **Prep Method: METHOD**

| QC1236673 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | mg/L | 3.0 | | 03/07/25 20:04 | 03/12/25 18:46 |

**Type: Lab Control Sample** **Lab ID: QC1236674** **Batch: 365251**
**Matrix: Water** **Method: SM5210B** **Prep Method: METHOD**

| QC1236674 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 186.3 | 198.0 | mg/L | 94% | | 84.6-115.4 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Sample Duplicate | Lab ID: | QC1236675 | Batch: | 365251 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528272-001) | Method: | SM5210B | Prep Method: | METHOD |

| QC1236675 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 3,669 | 3856 | mg/L | | 5 | 30 | 1 |

| Type: | Blank | Lab ID: | QC1239743 | Batch: | 366146 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM5220D | Prep Method: | METHOD |

| QC1239743 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 03/17/25 | 03/17/25 |

| Type: | Lab Control Sample | Lab ID: | QC1239746 | Batch: | 366146 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM5220D | Prep Method: | METHOD |

| QC1239746 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,068 | 1000 | mg/L | 107% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1239748 | Batch: | 366146 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528269-001) | Method: | SM5220D | Prep Method: | METHOD |

| QC1239748 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,308 | 244.0 | 1000 | mg/L | 106% | | 75-125 | 2 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239749 | Batch: | 366146 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528269-001) | Method: | SM5220D | Prep Method: | METHOD |

| QC1239749 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,282 | 244.0 | 1000 | mg/L | 104% | | 75-125 | 2 | 20 | 2 |

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful
b See narrative

**Laboratory Job Number 528317**

**Subcontracted Products**

**Pace Laboratories**

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 20, 2025

Zach Barker
Enthalpy Analytical
931 W Barkley Ave
Orange, CA 92868

RE: Project: 528317
Pace Project No.: 30763654

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on March 11, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Sophia Baughman, Enthalpy Analytical
Diane Galvan, Enthalpy Analytical
Brenda Hamilton, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical



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**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## SAMPLE SUMMARY

Project: 528317
Pace Project No.: 30763654

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **30763654001** | **South Basin Stage 1** | Water | 03/07/25 10:00 | 03/11/25 09:23 |

**REPORT OF LABORATORY ANALYSIS**

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30763654

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2503991

2503991

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528317
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN STAGE 1 | 07-MAR-2025 10:00 | 528317-001 | 1 | Water | Organophosphorus Pesticides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Tristelly Tristelly | Smarquez |
| | Date: 3/10/25 | Date: 3-11-25 0923 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1

Submission #: 2503991

**SHIPPING INFORMATION**
Fed Ex ☐ UPS ☐ GSO / GLS ☑ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☑ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐
(W) / S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☐ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: N/A Thermometer ID: 274

Temperature: (A) 3.1 °C / (C) 3.1 °C

Date/Time 3-11-25

Analyst Init SMH 0923

| SAMPLE CONTAINERS | SAMPLE NUMBERS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | A | | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

CHK BY CLZ DISTRIBUTION SUB-OUT ☐

Comments:_____

Sample Numbering Completed By: SMH Date/Time: 3/11/25 0928

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 23]

Date of Report: 03/19/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

| | |
|---|---|
| Client Project: | [none] |
| Pace Project: | Chiquita Canyon Landfill Stormwater |
| Pace Work Order: | 2503991 |
| Invoice ID: | B513843 |

Enclosed are the results of analyses for samples received by the laboratory on 3/ 11/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Steven Bennett
Operations Manager

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*
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ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

**2503991**

Subcontract Laboratory: 2503991
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528317
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN STAGE 1 | 07-MAR-2025 10:00 | 528317-001 | 1 | Water | Organophosphorus Pesticides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Tisrelly Tisrelly | Imarquez |
| | Date: 3/10/25 | Date: 3.11.25 0923 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

| PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1 |
|---|---|---|
| Submission #: 2503991 | | |

| SHIPPING INFORMATION | SHIPPING CONTAINER | FREE LIQUID |
|---|---|---|
| Fed Ex ☐ UPS ☐ GSO / GLS ☑ Hand Delivery ☐<br>Pace Lab Field Service ☐ Other ☐ (Specify)_____ | Ice Chest ☑ None ☐ Box ☐<br>Other ☐ (Specify)_____ | YES ☑ NO ☐<br>W / S |

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

| COC Received | | |
|---|---|---|
| ☑ YES ☐ NO | Emissivity: 0.97 Container: N/A Thermometer ID: 274<br>Temperature: (A) 3.1 °C / (C) 3.1 °C | Date/Time 3.11.25<br>Analyst Init SMH 0923 |

| SAMPLE CONTAINERS | SAMPLE NUMBERS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | A | | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

CHK BY DISTRIBUTION
CL2 SUB-OUT

Comments:_____
Sample Numbering Completed By: SMH Date/Time: 3/11/25 0928
A = Actual / C = Corrected

Rev 23 05/20/22
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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **2503991-01** | **COC Number:** | --- | **Receive Date:** | 03/11/2025 09:23 |
| | **Project Number:** | --- | **Sampling Date:** | 03/07/2025 10:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SOUTH BASIN STAGE 1 | **Lab Matrix:** | Water |
| | **Sampled By:** | client | **Sample Type:** | Water |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2503991-01 | **Client Sample Name:** SOUTH BASIN STAGE 1, 3/7/2025 10:00:00AM, client

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 0.50 | 0.12 | EPA-8141A | ND | | 1 |
| Bolstar | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Coumaphos | ND | ug/L | 0.50 | 0.11 | EPA-8141A | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.20 | 0.056 | EPA-8141A | ND | | 1 |
| Diazinon | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Disulfoton | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Ethoprop | ND | ug/L | 0.20 | 0.052 | EPA-8141A | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.20 | 0.051 | EPA-8141A | ND | | 1 |
| Fenthion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Merphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Mevinphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Naled | ND | ug/L | 0.50 | 0.17 | EPA-8141A | ND | | 1 |
| Phorate | ND | ug/L | 0.20 | 0.066 | EPA-8141A | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.20 | 0.082 | EPA-8141A | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Trichloronate | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Triphenylphosphate (Surrogate) | 74.8 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 03/12/25 17:35 | 03/19/25 06:26 | HAH | GC-18 | 1 | B208288 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|
| **QC Batch ID: B208288** | | | | | | | |
| Azinphos methyl | B208288-BLK1 | ND | ug/L | 0.50 | 0.12 | | 1 |
| Bolstar | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Chlorpyrifos | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Coumaphos | B208288-BLK1 | ND | ug/L | 0.50 | 0.11 | | 1 |
| Demeton O/S | B208288-BLK1 | ND | ug/L | 0.20 | 0.056 | | 1 |
| Diazinon | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Dichlorvos | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Disulfoton | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Ethoprop | B208288-BLK1 | ND | ug/L | 0.20 | 0.052 | | 1 |
| Fensulfothion | B208288-BLK1 | ND | ug/L | 0.20 | 0.051 | | 1 |
| Fenthion | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Merphos | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Methyl parathion | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Mevinphos | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Naled | B208288-BLK1 | ND | ug/L | 0.50 | 0.17 | | 1 |
| Phorate | B208288-BLK1 | ND | ug/L | 0.20 | 0.066 | | 1 |
| Ronnel (Fenchlorphos) | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Stirophos (Tetrachlorvinphos) | B208288-BLK1 | ND | ug/L | 0.20 | 0.082 | | 1 |
| Tokuthion (Prothiofos) | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Trichloronate | B208288-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| **Triphenylphosphate (Surrogate)** | **B208288-BLK1** | **117** | % | **50 - 130 (LCL - UCL)** | | | 1 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B208288-BLK1 | PB | EPA-8141A | 03/12/25 | 03/19/25 03:59 | HAH | GC-18 | 1 |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: B208288** | | | | | | | | | | | |
| Bolstar | B208288-BS1 | LCS | 2.3300 | 2.0000 | ug/L | 116 | | 50 - 130 | | | 1 |
| | B208288-BSD1 | LCSD | 2.4250 | 2.0000 | ug/L | 121 | 4.0 | 50 - 130 | 30 | | 2 |
| Chlorpyrifos | B208288-BS1 | LCS | 2.2800 | 2.0000 | ug/L | 114 | | 60 - 120 | | | 1 |
| | B208288-BSD1 | LCSD | 2.2600 | 2.0000 | ug/L | 113 | 0.9 | 60 - 120 | 30 | | 2 |
| Diazinon | B208288-BS1 | LCS | 2.2000 | 2.0000 | ug/L | 110 | | 60 - 130 | | | 1 |
| | B208288-BSD1 | LCSD | 2.1600 | 2.0000 | ug/L | 108 | 1.8 | 60 - 130 | 30 | | 2 |
| Methyl parathion | B208288-BS1 | LCS | 2.1900 | 2.0000 | ug/L | 110 | | 60 - 120 | | | 1 |
| | B208288-BSD1 | LCSD | 2.2350 | 2.0000 | ug/L | 112 | 2.0 | 60 - 120 | 30 | | 2 |
| **Mevinphos** | **B208288-BS1** | LCS | **2.9200** | **2.0000** | **ug/L** | **146** | | **50 - 120** | | **L01** | 1 |
| | **B208288-BSD1** | LCSD | **2.7300** | **2.0000** | **ug/L** | **136** | **6.7** | **50 - 120** | **30** | **L01** | 2 |
| Ronnel (Fenchlorphos) | B208288-BS1 | LCS | 2.3200 | 2.0000 | ug/L | 116 | | 50 - 120 | | | 1 |
| | B208288-BSD1 | LCSD | 2.0350 | 2.0000 | ug/L | 102 | 13.1 | 50 - 120 | 30 | | 2 |
| **Stirophos (Tetrachlorvinphos)** | **B208288-BS1** | LCS | **2.4800** | **2.0000** | **ug/L** | **124** | | **50 - 120** | | **L01** | 1 |
| | **B208288-BSD1** | LCSD | **2.0350** | **2.0000** | **ug/L** | **102** | **19.7** | **50 - 120** | **30** | | 2 |
| Triphenylphosphate (Surrogate) | B208288-BS1 | LCS | 2.9350 | 2.5000 | ug/L | 117 | | 50 - 130 | | | 1 |
| | B208288-BSD1 | LCSD | 2.8100 | 2.5000 | ug/L | 112 | 4.4 | 50 - 130 | | | 2 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B208288-BS1 | LCS | EPA-8141A | 03/12/25 | 03/19/25 04:29 | HAH | GC-18 | 1 |
| 2 | B208288-BSD1 | LCSD | EPA-8141A | 03/12/25 | 03/19/25 04:58 | HAH | GC-18 | 1 |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/19/2025 14:20
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

## Notes And Definitions

| | |
|---|---|
| MDL | Method Detection Limit |
| ND | Analyte Not Detected |
| PQL | Practical Quantitation Limit |
| L01 | The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits. |

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**Laboratory Job Number 528317**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2503675

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-528317

**Project Location:**
**Project Received:** 03/12/2025

Analytical Report reviewed & approved for release on 03/17/2025 by:

Jena Alfaro
Project Manager

***The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.***

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503675

**Project:** EO-528317

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503675

**Project:** EO-528317

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| a3 | Sample diluted due to high organic content interfering with quantitative/or qualitative analysis. |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503675 |
| **Date Received:** | 03/12/2025 10:29 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 03/13/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-528317 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN STAGE 1 | 2503675-001A | Water | 03/07/2025 10:00 | GC15A 03122565.D | 313185 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 03/13/2025 13:10 |
| Bentazon | ND | 4.1 | 10 | 10 | 03/13/2025 13:10 |
| Chloramben | ND | 3.1 | 10 | 10 | 03/13/2025 13:10 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 03/13/2025 13:10 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 03/13/2025 13:10 |
| Dalapon | ND | 3.9 | 10 | 10 | 03/13/2025 13:10 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 03/13/2025 13:10 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 03/13/2025 13:10 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 03/13/2025 13:10 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 03/13/2025 13:10 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 03/13/2025 13:10 |
| MCPA | ND | 14 | 20 | 10 | 03/13/2025 13:10 |
| MCPP | ND | 7.7 | 20 | 10 | 03/13/2025 13:10 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 03/13/2025 13:10 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 03/13/2025 13:10 |
| Picloram | ND | 3.5 | 10 | 10 | 03/13/2025 13:10 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 03/13/2025 13:10 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 03/13/2025 13:10 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 86 | 60-140 | 03/13/2025 13:10 |

Analyst(s): DP  Analytical Comments: a3

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503675 |
| **Date Received:** | 03/12/2025 10:29 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/13/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-528317 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN STAGE 1 | 2503675-001B | Water | 03/07/2025 10:00 | GC26 0313250910.D | 313268 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **2600** | 100 | 100 | 2 | 03/13/2025 11:52 |

Analyst(s): PRE

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503675 |
| **Date Prepared:** | 03/13/2025 | **BatchID:** | 313185 |
| **Date Analyzed:** | 03/13/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528317 | **Sample ID:** | MB/LCS/LCSD-313185 |

## QC Summary Report for SW8151A

| Analyte | MB Result | MDL | RL | SPK Val | MB IS/SS %REC | MB IS/SS Limits |
|---|---|---|---|---|---|---|
| Acifluorfen | ND | 0.26 | 1.0 | - | - | - |
| Bentazon | ND | 0.41 | 1.0 | - | - | - |
| Chloramben | ND | 0.31 | 1.0 | - | - | - |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.059 | 0.20 | - | - | - |
| 2,4-DB | ND | 0.21 | 1.0 | - | - | - |
| Dalapon | ND | 0.39 | 1.0 | - | - | - |
| DCPA (mono & diacid) | ND | 0.14 | 1.0 | - | - | - |
| Dicamba | ND | 0.059 | 0.20 | - | - | - |
| 3,5-Dichlorobenzoic Acid | ND | 0.19 | 1.0 | - | - | - |
| Dichloroprop | ND | 0.18 | 1.0 | - | - | - |
| Dinoseb (DNBP) | ND | 0.18 | 1.0 | - | - | - |
| MCPA | ND | 1.4 | 2.0 | - | - | - |
| MCPP | ND | 0.77 | 2.0 | - | - | - |
| 4-Nitrophenol | ND | 0.50 | 1.0 | - | - | - |
| Pentachlorophenol (PCP) | ND | 0.055 | 0.20 | - | - | - |
| Picloram | ND | 0.35 | 1.0 | - | - | - |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.056 | 0.20 | - | - | - |
| 2,4,5-TP (Silvex) | ND | 0.14 | 0.50 | - | - | - |
| **Surrogate Recovery** | | | | | | |
| DCAA | 9.7 | | | 10 | 97 | 70-130 |

*(Cont.)*

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503675 |
| **Date Prepared:** | 03/13/2025 | **BatchID:** | 313185 |
| **Date Analyzed:** | 03/13/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528317 | **Sample ID:** | MB/LCS/LCSD-313185 |

## QC Summary Report for SW8151A

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Acifluorfen | 8.5 | 8.8 | 10 | 85 | 88 | 70-130 | 3.98 | 30 |
| Bentazon | 9.9 | 9.3 | 10 | 99 | 93 | 70-130 | 6.00 | 30 |
| Chloramben | 9.0 | 9.2 | 10 | 90 | 92 | 70-130 | 2.16 | 30 |
| 2,4-D (Dichlorophenoxyacetic acid) | 8.3 | 8.6 | 10 | 83 | 86 | 70-130 | 4.26 | 30 |
| 2,4-DB | 8.3 | 9.3 | 10 | 83 | 93 | 70-130 | 11.8 | 30 |
| Dalapon | 8.5 | 9.0 | 10 | 85 | 90 | 70-130 | 6.24 | 30 |
| DCPA (mono & diacid) | 8.7 | 9.1 | 10 | 87 | 91 | 70-130 | 4.10 | 30 |
| Dicamba | 8.6 | 9.0 | 10 | 86 | 90 | 70-130 | 4.45 | 30 |
| 3,5-Dichlorobenzoic Acid | 8.5 | 8.9 | 10 | 85 | 89 | 70-130 | 4.84 | 30 |
| Dichloroprop | 8.3 | 8.7 | 10 | 83 | 87 | 70-130 | 4.57 | 30 |
| Dinoseb (DNBP) | 8.8 | 9.0 | 10 | 88 | 90 | 70-130 | 2.14 | 30 |
| MCPA | 70 | 82 | 100 | 70 | 82 | 70-130 | 14.8 | 30 |
| MCPP | 73 | 83 | 100 | 73 | 83 | 70-130 | 13.2 | 30 |
| 4-Nitrophenol | 11 | 11 | 10 | 111 | 114 | 70-130 | 2.52 | 30 |
| Pentachlorophenol (PCP) | 8.7 | 9.0 | 10 | 87 | 90 | 70-130 | 3.98 | 30 |
| Picloram | 8.8 | 9.1 | 10 | 88 | 91 | 70-130 | 2.99 | 30 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | 8.9 | 8.8 | 10 | 89 | 88 | 70-130 | 1.19 | 30 |
| 2,4,5-TP (Silvex) | 8.7 | 8.8 | 10 | 87 | 88 | 70-130 | 1.78 | 30 |
| **Surrogate Recovery** | | | | | | | | |
| DCAA | 9.6 | 10 | 10 | 96 | 102 | 70-130 | 5.44 | 30 |

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503675 |
| **Date Prepared:** | 03/13/2025 | **BatchID:** | 313268 |
| **Date Analyzed:** | 03/13/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528317 | **Sample ID:** | MB/LCS/LCSD-313268 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 150 | 180 | 187.2 | 80 | 96 | 70-130 | 18.3 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503675** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-528317

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **03/12/2025**
*Date Logged:* **03/12/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503675-001 | SOUTH BASIN STAGE 1 | Water | 3/7/2025 10:00 | ☐ | A | A | B | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 8151_W | 2 | PRDisposal Fee | 3 | RSK175_CO2_W | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-528317 **Work Order:** 2503675
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/12/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH BASIN STAGE 1 | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA, Unpres | ☐ | ☐ | ☐ | 3/7/2025 10:00 | 5 days | 3/19/2025 | Present | ☐ | ☐ |
| 001B | SOUTH BASIN STAGE 1 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/7/2025 10:00 | 5 days | 3/19/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2503675

ENTHALPY ANALYTICAL
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619 & 243367
PO #: PO-079649

Enthalpy Order: EO-528317
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN STAGE 1 | 07-MAR-2025 10:00 | 528317-001 | 1 | Water | EPA 8151A Chlorinated Herbicides | |
| | | | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Tracy Tiss Kelly | |
| | Date: 3/10/25 | Date: |
| | | Emily Pe |
| | Date: | Date: 3/12/25 1029 |
| | | |
| | Date: | Date: |

GIS: 562735422

0-5 cut
IRSO

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 3/12/2025 10:29 |
| Project: | EO-528317 | Date Logged: | 3/12/2025 |
| | | Received by: | |
| WorkOrder №: | 2503675 Matrix: | Logged by: | Emily Perez |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.5°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

**Laboratory Job Number 528317**

**Subcontracted Products**

**Enthalpy - El Dorado Hills**

March 27, 2025

**Enthalpy Analytical - El Dorado Hills**
**Work Order No. 2503083**

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on March 11, 2025 under your Project Name 'EO-528317'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

*Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .*

**Enthalpy Analytical - EDH Work Order No. 2503083**
**Case Narrative**

**Sample Condition on Receipt:**

One water sample was received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The sample was received in good condition and within the method temperature requirements.

**Analytical Notes:**

**EPA Method 8290A**

The sample was extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria was met for this sample.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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# Sample Inventory Report

| Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 2503083-01 | SOUTH BASIN STAGE 1 | 07-Mar-25 10:00 | 11-Mar-25 11:18 | Amber Glass WM Bottle, 1L |

**ANALYTICAL RESULTS**

**Sample ID: Method Blank** **EPA Method 8290A**

**Client Data**
Name: Enthalpy Analytical
Project: EO-528317
Matrix: Aqueous

**Laboratory Data**
Lab Sample: B25C232-BLK1
QC Batch: B25C232 Date Extracted: 18-Mar-25
Sample Size: 1.00 L Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.78 | 5.00 | | 22-Mar-25 11:22 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 82.6 | 40 - 135 | | 22-Mar-25 11:22 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 86.8 | 40 - 135 | | 22-Mar-25 11:22 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

**Sample ID: OPR** **EPA Method 8290A**

**Client Data**
Name: Enthalpy Analytical
Project: EO-528317
Matrix: Aqueous

**Laboratory Data**
Lab Sample: B25C232-BS1
QC Batch: B25C232 Date Extracted: 18-Mar-25 17:18
Sample Size: 1.00 L Column: ZB-DIOXIN

| Analyte | Amt Found (pg/L) | Spike Amt | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | 191 | 200 | 95.6 | 70-130 | | 21-Mar-25 18:52 | 1 |
| **Labeled Standards** | **Type** | | **% Recovery** | **Limits** | **Qualifiers** | **Analyzed** | **Dilution** |
| 13C-2,3,7,8-TCDD | IS | | 93.7 | 40-135 | | 21-Mar-25 18:52 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | | 94.5 | 40-135 | | 21-Mar-25 18:52 | 1 |

**Sample ID: SOUTH BASIN STAGE 1** **EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-528317
Matrix: Water
Date Collected: 07-Mar-25 10:00

**Laboratory Data**

Lab Sample: 2503083-01
QC Batch: B25C232
Sample Size: 1.01 L
Date Received: 11-Mar-25 11:18
Date Extracted: 18-Mar-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.77 | 4.97 | | 21-Mar-25 21:54 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 78.2 | 40 - 135 | | 21-Mar-25 21:54 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 93.2 | 40 - 135 | | 21-Mar-25 21:54 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| B | This compound was also detected in the method blank |
| Conc. | Concentration |
| CRS | Cleanup Recovery Standard |
| D | Dilution |
| DL | Detection Limit |
| E | The associated compound concentration exceeded the calibration range of the instrument |
| EDL | Estimated Detection Limit |
| EMPC | Estimated Maximum Possible Concentration |
| H | Recovery and/or RPD was outside laboratory acceptance limits |
| I | Chemical Interference |
| IS | Internal Standard |
| J | The amount detected is below the Reporting Limit/LOQ |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| MDL | Method Detection Limit |
| NA | Not applicable |
| ND | Not Detected |
| OPR | Ongoing Precision and Recovery sample |
| P | The reported concentration may include contribution from chlorinated diphenyl ether(s). |
| Q | The ion transition ratio is outside of the acceptance criteria. |
| RL | Reporting Limit |
| RL | For 537.1, the reported RLs are the MRLs. |
| TEQ | Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations. |
| TEQMax | TEQ calculation that uses the detection limit as the concentration for non-detects |
| TEQMin | TEQ calculation that uses zero as the concentration for non-detects |
| TEQRisk | TEQ calculation that uses ½ the detection limit as the concentration for non-detects |
| U | Not Detected (specific projects only) |
| * | See Cover Letter |

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

**Enthalpy Analytical - EDH Certifications**

| Accrediting Authority | Certificate Number |
|---|---|
| Alaska Department of Environmental Conservation | 17-013 |
| Arkansas Department of Environmental Quality | 21-023-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025 | 3091.01 |
| Florida Department of Health | E87777 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2020018 |
| Michigan Department of Environmental Quality | 9932 |
| Minnesota Department of Health | 2211390 |
| Nevada Division of Environmental Protection | CA00413 |
| New Hampshire Environmental Accreditation Program | 207721 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Ohio Environmental Protection Agency | 87778 |
| Oregon Laboratory Accreditation Program | 4042-021 |
| Texas Commission on Environmental Quality | T104704189-22-13 |
| Vermont Department of Health | VT-4042 |
| Virginia Department of General Services | 11276 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.*

ENTHALPY
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-528317
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

2503083 1.5 C

Notes:
Chiquita Canyon Landfill Stormwater

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN STAGE 1 | 07-MAR-2025 10:00 | 528317-001 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Tiskelly Triskelly | Xitlaly Olivos |
| | Date: 3/10/25 | Date: 03/11/25 11:18 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

# CoC/Label Reconciliation Report WO# 2503083

| LabNumber | CoC Sample ID | SampleAlias | Sample Date/Time | Container | BaseMatrix | Sample Comments |
|---|---|---|---|---|---|---|
| 2503083-01 | A SOUTH BASIN STAGE 1 ☐ A B | 528317-001 | 07-Mar-25 10:00 ☑ | Amber Glass WM Bottle, 1L | Aqueous | |

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

| CONDITION | Yes | No | NA |
|---|---|---|---|
| Sample Container Intact? | ✓ | | |
| Sample Container(s) Custody Seals Intact? | | | ✓ |
| Custody Seals On Cooler Intact? | | | ✓ |
| Adequate Sample Volume? | ✓ | | |
| Container Type Appropriate for Analysis(es)? | ✓ | | |

Comments:
(A) underlined part of Sample ID missing
(B) NO Backup volume

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: ~~XXX~~ 03/11/25
WWS 03/11/25

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528548
Report Level : II
Report Date : 03/25/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Stormwater - IGP

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 528548 |
| Project No: | SW - IGP |
| Location: | Stormwater - IGP |
| Date Received: | 03/11/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN WEST INLET | 528548-001 | 03/11/25 12:30 | Water |
| SOUTH BASIN EAST INLET | 528548-002 | 03/11/25 13:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528548<br>Project No: SW - IGP<br>Location: Stormwater - IGP<br>Date Received: 03/11/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/11/25. The samples were received cold and intact.

**Metals (EPA 200.7):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for chloride in the MS/MSD for batch 365560; affected data was qualified with "E".
- No other analytical problems were encountered.

**Total Oil & Grease (HEM) (EPA 1664A):**

- Matrix spikes were not performed for this analysis due to insufficient sample volume. Due to high sediment content in the sample matrix of sample 528548-002, the liquid portion of the sample was transferred to a new container prior to analysis. The pH was greater than 2 at receipt and additional preservative was added to the sample at the lab to achieve a pH <2.
- No analytical problems were encountered.

**Total Suspended Solids (TSS) (SM2540D):**
No analytical problems were encountered.

**Coliform - 9221 Tests (SM 9221B and SM 9221F):**
No analytical problems were encountered.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 528548

Page: 3 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | TOTAL COLIFORM, E. COLI | 200.7 Fe | 300.0 CHLORIDE | OIL AND GREASE | TSS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN WEST INLET | 03/11/25 | 1230 | W | 5 | 6,2,4,1 | X | X | X | X | X |
| 2 | SOUTH BASIN EAST INLET | 03/11/25 | 1300 | W | 5 | 6,2,4,1 | X | X | X | X | X |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Commen**

IGP

Email report to:

Login 528548

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | Ian Carter II | Ian Carter II | CTEH | 3/11/2025 5:30 pm |
| [1] Received By: | | W/UPS | FEDEX | 3-11-25 1735 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/11/25 WO# 528548 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/11/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 5.8 / 5.9 #2: 5.6 / 5.7 #3: 4.9 / 5.0 #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ☐ **No microbiology samples submitted (skip 3b)**

☒ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☒ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | ✓ | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | ✓ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | ✓ |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 3/11/25 **By (print)** ABD **(sign)** ADJ

**Date Labeled** 3/11/25 **By (print)** NIG/TLK **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 528548

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528548
Project No: SW - IGP
Location: Stormwater - IGP
Date Received: 03/11/25

**Sample ID:** SOUTH BASIN WEST INLET | **Lab ID:** 528548-001 | **Matrix:** Water | **Collected:** 03/11/25 12:30

| 528548-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | ND | | mg/L | 5.2 | 2.1 | 1 | 366139 | 03/17/25 | 03/19/25 | CKN |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **0.66** | | mg/L | 0.041 | 0.041 | 1 | 365669 | 03/12/25 | 03/12/25 | CAP |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **6.0** | | mg/L | 1.0 | 0.27 | 1 | 365560 | 03/11/25 14:45 | 03/12/25 06:01 | AJL |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **1,600** | | MPN/100ml | 1.8 | | 1 | 365662 | 03/11/25 18:02 | 03/13/25 16:36 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **220** | | MPN/100ml | 1.8 | | 1 | 365662 | 03/11/25 18:02 | 03/13/25 16:36 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **54** | | mg/L | 0.5 | | 1 | 366038 | 03/15/25 | 03/15/25 | DXA |

**Sample ID:** SOUTH BASIN EAST INLET | **Lab ID:** 528548-002 | **Matrix:** Water | **Collected:** 03/11/25 13:00

| 528548-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | **7.8** | | mg/L | 5.6 | 2.3 | 1.1 | 366139 | 03/17/25 | 03/19/25 | CKN |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **280** | | mg/L | 4.1 | 4.1 | 100 | 365839 | 03/13/25 | 03/13/25 | CAP |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **99** | | mg/L | 1.0 | 0.27 | 1 | 365560 | 03/11/25 14:45 | 03/12/25 06:24 | AJL |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 365662 | 03/11/25 18:02 | 03/13/25 16:36 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **1,600** | | MPN/100ml | 1.8 | | 1 | 365662 | 03/11/25 18:02 | 03/13/25 16:36 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **56,000** | | mg/L | 0.5 | | 1 | 366038 | 03/15/25 | 03/15/25 | DXA |



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528548

> Value exceeds indicated concentration
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1239712 | Batch: 366139 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1239712 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Oil and Grease | ND | | mg/L | 5.0 | 2.1 | 03/17/25 | 03/19/25 |

| Type: Lab Control Sample | Lab ID: QC1239713 | Batch: 366139 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1239713 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Oil and Grease | 34.70 | 40.00 | mg/L | 87% | | 78-114 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1239714 | Batch: 366139 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1239714 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Oil and Grease | 36.00 | 40.00 | mg/L | 90% | | 78-114 | 4 | 18 |

| Type: Blank | Lab ID: QC1238137 | Batch: 365669 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1238137 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Iron | ND | | mg/L | 0.041 | 0.041 | 03/12/25 | 03/12/25 |

| Type: Lab Control Sample | Lab ID: QC1238138 | Batch: 365669 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1238138 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Iron | 0.3997 | 0.4000 | mg/L | 100% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1238139 | Batch: 365669 |
|---|---|---|
| Matrix (Source ID): Water (528239-001) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1238139 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 0.4373 | ND | 0.4000 | mg/L | 109% | | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1238140 | Batch: 365669 |
|---|---|---|
| Matrix (Source ID): Water (528239-001) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1238140 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 0.4420 | ND | 0.4000 | mg/L | 110% | | 75-125 | 1 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Serial Dilution | Lab ID: | QC1238281 | Batch: | 365669 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528239-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1238281 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Iron | ND | ND | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1238676 | Batch: | 365839 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1238676 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Iron | ND | | mg/L | 0.046 | 0.046 | 03/13/25 | 03/13/25 |

| Type: | Matrix Spike | Lab ID: | QC1238679 | Batch: | 365839 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528674-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1238679 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 1.104 | 0.6363 | 0.4000 | mg/L | 117% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238680 | Batch: | 365839 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528674-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1238680 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 1.089 | 0.6363 | 0.4000 | mg/L | 113% | | 75-125 | 1 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1238681 | Batch: | 365839 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528674-002) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1238681 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 0.8470 | 0.4235 | 0.4000 | mg/L | 106% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238682 | Batch: | 365839 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528674-002) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1238682 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 0.8383 | 0.4235 | 0.4000 | mg/L | 104% | | 75-125 | 1 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1238683 **Batch:** 365839
**Matrix:** Water **Method:** EPA 200.7 **Prep Method:** EPA 3015A

| QC1238683 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Iron | 0.4073 | 0.4000 | mg/L | 102% | | 85-115 |

**Type:** Serial Dilution **Lab ID:** QC1238808 **Batch:** 365839
**Matrix (Source ID):** Water (528674-001) **Method:** EPA 200.7 **Prep Method:** EPA 3015A

| QC1238808 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Iron | 0.6021 | 0.6363 | mg/L | | | | 5 |

**Type:** Blank **Lab ID:** QC1237779 **Batch:** 365560
**Matrix:** Water **Method:** EPA 300.0 **Prep Method:** METHOD

| QC1237779 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 03/11/25 14:45 | 03/11/25 14:56 |

**Type:** Lab Control Sample **Lab ID:** QC1237780 **Batch:** 365560
**Matrix:** Water **Method:** EPA 300.0 **Prep Method:** METHOD

| QC1237780 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 47.67 | 50.00 | mg/L | 95% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1237781 **Batch:** 365560
**Matrix (Source ID):** Water (527827-001) **Method:** EPA 300.0 **Prep Method:** METHOD

| QC1237781 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 232.4 | 144.8 | 100.0 | mg/L | 88% | E | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1237782 **Batch:** 365560
**Matrix (Source ID):** Water (527827-001) **Method:** EPA 300.0 **Prep Method:** METHOD

| QC1237782 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 233.1 | 144.8 | 100.0 | mg/L | 88% | E | 80-120 | | 20 | 1 |

**Type:** Blank **Lab ID:** QC1239320 **Batch:** 366038
**Matrix:** Water **Method:** SM2540D **Prep Method:** METHOD

| QC1239320 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | mg/L | 0.5 | | 03/15/25 | 03/15/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1239321 | **Batch:** 366038 |
| **Matrix:** Water | **Method:** SM2540D | **Prep Method:** METHOD |

| QC1239321 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Suspended Solids | 100.7 | 100.0 | mg/L | 101% | | 90-110 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample Duplicate | **Lab ID:** QC1239322 | **Batch:** 366038 |
| **Matrix:** Water | **Method:** SM2540D | **Prep Method:** METHOD |

| QC1239322 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 98.80 | 100.0 | mg/L | 99% | | 90-110 | 2 | 5 |

| | | |
|---|---|---|
| **Type:** Sample Duplicate | **Lab ID:** QC1239323 | **Batch:** 366038 |
| **Matrix (Source ID):** Water (528426-003) | **Method:** SM2540D | **Prep Method:** METHOD |

| QC1239323 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 163.1 | 160.7 | mg/L | | 1 | 5 | 1 |

| | | |
|---|---|---|
| **Type:** Sample Duplicate | **Lab ID:** QC1239324 | **Batch:** 366038 |
| **Matrix (Source ID):** Water (528482-001) | **Method:** SM2540D | **Prep Method:** METHOD |

| QC1239324 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 286.0 | 294.2 | mg/L | | 3 | 5 | 1 |

E Response exceeds instrument's linear range

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528547
Report Level : II
Report Date : 03/26/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - SUBCHAPTER N - SW - SUBCHAPTER N

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Kate Logan<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 528547<br>SW - SUBCHAPTER N<br>SW - SUBCHAPTER N<br>03/11/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN WEST INLET | 528547-001 | 03/11/25 12:30 | Water |
| SOUTH BASIN EAST INLET | 528547-002 | 03/11/25 13:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528547<br>Project No: SW - SUBCHAPTER N<br>Location: SW - SUBCHAPTER N<br>Date Received: 03/11/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/11/25. The samples were received cold and intact.

**Semivolatile Organics by GC/MS (EPA 625.1):**

- SOUTH BASIN EAST INLET (lab # 528547-002) was diluted due to client history of high non-target or organic acid interference.
- No other analytical problems were encountered.

**Metals (EPA 200.8):**

- Chromium was detected between the MDL and the RL in the method blank for batch 365826; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

**Biochemical Oxygen Demand (SM5210B):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**
No analytical problems were encountered.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 528547

Page: 1 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | 200.8 CHROMIUM, ZINC, ARSENIC | 625 | AMMONIA | BOD | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN WEST INLET | 03/11/25 | 1230 | W | 4 | 6,2,4 | X | X | X | X | | | | | | |
| 2 | SOUTH BASIN EAST INLET | 03/11/25 | 1300 | W | 4 | 6,2,4 | X | X | X | X | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Commen**

SUBCHAPTER N

Email report to:

IR11 5.8, 5.9
5.6, 5.7 4.9, 5.0

Login 528547

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | Ian Carter II | Ian Carter II | CTEH | 3/11/2025 5:30 pm |
| [1] Received By: | | w/ CLG | FEDEX | 3-11-25 1735 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/11/25 WO# 528547 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/11/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 5.8 / 5.9 #2: 5.6 / 5.7 #3: 4.9 / 5.0 #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | \ | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | \ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | \ |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 3/11/25 **By (print)** ABD **(sign)** Adv Jg

**Date Labeled** 3/11/25 **By (print)** NIG/TLK **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 528547

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528547
Project No: SW - SUBCHAPTER N
Location: SW - SUBCHAPTER N
Date Received: 03/11/25

| **Sample ID:** | **Lab ID: 528547-001** | **Collected: 03/11/25 12:30** |
|---|---|---|
| **SOUTH BASIN WEST INLET** | **Matrix: Water** | |

| **528547-001 Analyte** | **Result** | **Qual** | **Units** | **RL** | **MDL** | **DF** | **Batch** | **Prepared** | **Analyzed** | **Chemist** |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Arsenic | **3.0** | | ug/L | 2.0 | 0.38 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Chromium | **11** | | ug/L | 5.0 | 0.24 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Zinc | **8.5** | J | ug/L | 10 | 7.4 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.25** | | mg/L | 0.10 | 0.050 | 1 | 366920 | 03/25/25 | 03/26/25 | JAK |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Benzoic acid | **13** | J | ug/L | 53 | 13 | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Pyridine | ND | | ug/L | 11 | 3.8 | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Phenol | **1.7** | J | ug/L | 11 | 1.1 | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Methylphenol | ND | | ug/L | 11 | 1.7 | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 3-,4-Methylphenol | ND | | ug/L | 11 | 1.9 | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Naphthalene | ND | | ug/L | 11 | 1.5 | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Cresol | ND | | ug/L | 11 | | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:a-Terpineol | ND | | ug/L | | | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 22% | | %REC | 10-140 | | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Phenol-d6 | 17% | | %REC | 10-140 | | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4,6-Tribromophenol | 70% | | %REC | 12-140 | | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Nitrobenzene-d5 | 39% | | %REC | 10-140 | | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Fluorobiphenyl | 39% | | %REC | 11-140 | | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Terphenyl-d14 | 67% | | %REC | 20-140 | | 1.1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **8.3** | | mg/L | 3.0 | | 1 | 365707 | 03/12/25 17:05 | 03/17/25 15:46 | AAB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528547

| Sample ID: | Lab ID: 528547-002 | Collected: 03/11/25 13:00 |
|---|---|---|
| SOUTH BASIN EAST INLET | Matrix: Water | |

| 528547-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Arsenic | **90** | | ug/L | 2.0 | 0.22 | 1 | 365826 | 03/13/25 | 03/13/25 | KAM |
| Chromium | **620** | | ug/L | 100 | 6.8 | 20 | 365826 | 03/13/25 | 03/13/25 | KAM |
| Zinc | **5,100** | | ug/L | 200 | 150 | 20 | 365826 | 03/13/25 | 03/13/25 | KAM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.70** | | mg/L | 0.10 | 0.050 | 1 | 366920 | 03/25/25 | 03/26/25 | JAK |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Benzoic acid | ND | | ug/L | 540 | 130 | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Pyridine | ND | | ug/L | 110 | 38 | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Phenol | ND | | ug/L | 110 | 11 | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Methylphenol | ND | | ug/L | 110 | 17 | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 3-,4-Methylphenol | ND | | ug/L | 110 | 19 | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Naphthalene | ND | | ug/L | 110 | 15 | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Cresol | ND | | ug/L | 110 | | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:a-Terpineol | ND | | ug/L | | | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 36% | | %REC | 10-140 | | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Phenol-d6 | 29% | | %REC | 10-140 | | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4,6-Tribromophenol | 77% | | %REC | 12-140 | | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Nitrobenzene-d5 | 64% | | %REC | 10-140 | | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Fluorobiphenyl | 62% | | %REC | 11-140 | | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Terphenyl-d14 | 74% | | %REC | 20-140 | | 11 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **5.6** | | mg/L | 3.0 | | 1 | 365707 | 03/12/25 17:05 | 03/17/25 15:46 | AAB |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1238054 | Batch: 365638 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1238054 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | ug/L | 2.0 | 0.38 | 03/12/25 | 03/12/25 |
| Chromium | ND | | ug/L | 5.0 | 0.24 | 03/12/25 | 03/12/25 |
| Zinc | ND | | ug/L | 10 | 7.4 | 03/12/25 | 03/12/25 |

| Type: Lab Control Sample | Lab ID: QC1238055 | Batch: 365638 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1238055 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Arsenic | 99.69 | 100.0 | ug/L | 100% | | 85-115 |
| Chromium | 103.2 | 100.0 | ug/L | 103% | | 85-115 |
| Zinc | 101.4 | 100.0 | ug/L | 101% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1238056 | Batch: 365638 |
|---|---|---|
| Matrix (Source ID): Water (528455-001) | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1238056 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 103.8 | 6.591 | 100.0 | ug/L | 97% | | 70-130 | 25 |
| Chromium | 108.1 | 3.110 | 100.0 | ug/L | 105% | | 70-130 | 25 |
| Zinc | 107.2 | 21.77 | 100.0 | ug/L | | DO | 70-130 | 25 |

| Type: Matrix Spike Duplicate | Lab ID: QC1238057 | Batch: 365638 |
|---|---|---|
| Matrix (Source ID): Water (528455-001) | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1238057 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 101.1 | 6.591 | 100.0 | ug/L | 95% | | 70-130 | 3 | 20 | 25 |
| Chromium | 110.7 | 3.110 | 100.0 | ug/L | 108% | | 70-130 | 2 | 20 | 25 |
| Zinc | 108.2 | 21.77 | 100.0 | ug/L | | DO | 70-130 | | 20 | 25 |

| Type: Matrix Spike | Lab ID: QC1238059 | Batch: 365638 |
|---|---|---|
| Matrix (Source ID): Water (528455-002) | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1238059 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 105.8 | 8.956 | 100.0 | ug/L | 97% | | 70-130 | 25 |
| Chromium | 111.6 | 6.218 | 100.0 | ug/L | 105% | | 70-130 | 25 |
| Zinc | 161.3 | 65.37 | 100.0 | ug/L | | DO | 70-130 | 25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238060 | Batch: | 365638 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528455-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238060 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 103.8 | 8.956 | 100.0 | ug/L | 95% | | 70-130 | 2 | 20 | 25 |
| Chromium | 112.7 | 6.218 | 100.0 | ug/L | 107% | | 70-130 | 1 | 20 | 25 |
| Zinc | 153.7 | 65.37 | 100.0 | ug/L | | DO | 70-130 | | 20 | 25 |

| Type: | Blank | Lab ID: | QC1238630 | Batch: | 365826 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238630 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | ug/L | 2.0 | 0.22 | 03/13/25 | 03/13/25 |
| Chromium | 0.40 | J | ug/L | 5.0 | 0.34 | 03/13/25 | 03/13/25 |
| Zinc | ND | | ug/L | 10 | 7.4 | 03/13/25 | 03/13/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238631 | Batch: | 365826 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238631 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Arsenic | 95.62 | 100.0 | ug/L | 96% | | 85-115 |
| Chromium | 97.34 | 100.0 | ug/L | 97% | | 85-115 |
| Zinc | 97.99 | 100.0 | ug/L | 98% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1238632 | Batch: | 365826 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528670-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238632 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 100.4 | 0.8868 | 100.0 | ug/L | 100% | | 70-130 | 1 |
| Chromium | 124.8 | 26.12 | 100.0 | ug/L | 99% | | 70-130 | 1 |
| Zinc | 440.6 | 346.4 | 100.0 | ug/L | 94% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238633 | Batch: | 365826 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528670-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238633 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 96.85 | 0.8868 | 100.0 | ug/L | 96% | | 70-130 | 4 | 20 | 1 |
| Chromium | 112.0 | 26.12 | 100.0 | ug/L | 86% | | 70-130 | 11 | 20 | 1 |
| Zinc | 424.3 | 346.4 | 100.0 | ug/L | 78% | | 70-130 | 4 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1238634** | **Batch:** | **365826** |
| **Matrix (Source ID):** | **Water (528670-002)** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1238634 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 100.5 | 1.334 | 100.0 | ug/L | 99% | | 70-130 | 1 |
| Chromium | 121.0 | 23.83 | 100.0 | ug/L | 97% | | 70-130 | 1 |
| Zinc | 738.3 | 637.7 | 100.0 | ug/L | 101% | E,NM | 70-130 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1238635** | **Batch:** | **365826** |
| **Matrix (Source ID):** | **Water (528670-002)** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1238635 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 101.8 | 1.334 | 100.0 | ug/L | 100% | | 70-130 | 1 | 20 | 1 |
| Chromium | 120.6 | 23.83 | 100.0 | ug/L | 97% | | 70-130 | 0 | 20 | 1 |
| Zinc | 727.7 | 637.7 | 100.0 | ug/L | 90% | E,NM | 70-130 | | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1242316** | **Batch:** | **366920** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1242316 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 0.9637 | 1.000 | mg/L | 96% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1242317** | **Batch:** | **366920** |
| **Matrix:** | **Water** | **Method:** | **EPA 350.1** | **Prep Method:** | **METHOD** |

| QC1242317 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 03/25/25 | 03/26/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1242466** | **Batch:** | **366920** |
| **Matrix (Source ID):** | **Water (528483-001)** | **Method:** | **EPA 350.1** | **Prep Method:** | **SM 4500-NH3-G SD** |

| QC1242466 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.072 | ND | 1.000 | mg/L | 107% | | 90-110 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1242467** | **Batch:** | **366920** |
| **Matrix (Source ID):** | **Water (528483-001)** | **Method:** | **EPA 350.1** | **Prep Method:** | **SM 4500-NH3-G SD** |

| QC1242467 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.003 | ND | 1.000 | mg/L | 100% | | 90-110 | 7 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type: Blank** | **Lab ID: QC1238046** | **Batch: 365636** |
| **Matrix: Water** | **Method: EPA 625.1** | **Prep Method: EPA 3510C** |

| QC1238046 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Benzoic acid | ND | | ug/L | 50 | 12 | 03/12/25 | 03/12/25 |
| Pyridine | ND | | ug/L | 10 | 3.6 | 03/12/25 | 03/12/25 |
| Phenol | ND | | ug/L | 10 | 1.0 | 03/12/25 | 03/12/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 1.6 | 03/12/25 | 03/12/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 1.8 | 03/12/25 | 03/12/25 |
| Naphthalene | ND | | ug/L | 10 | 1.4 | 03/12/25 | 03/12/25 |
| Cresol | ND | | ug/L | 10 | | 03/12/25 | 03/12/25 |
| TIC:a-Terpineol | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 38% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |
| Phenol-d6 | 25% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |
| 2,4,6-Tribromophenol | 66% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |
| Nitrobenzene-d5 | 66% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |
| 2-Fluorobiphenyl | 64% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |
| Terphenyl-d14 | 68% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1238048** | **Batch: 365636** |
| **Matrix: Water** | **Method: EPA 625.1** | **Prep Method: EPA 3510C** |

| QC1238048 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 24.63 | 75.00 | ug/L | 33% | | 13-120 |
| 3-,4-Methylphenol | 48.91 | 75.00 | ug/L | 65% | | 29-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 17.56 | 40.00 | ug/L | 44% | | 20-140 |
| Phenol-d6 | 12.24 | 40.00 | ug/L | 31% | | 20-140 |
| 2,4,6-Tribromophenol | 32.69 | 40.00 | ug/L | 82% | | 20-140 |
| Nitrobenzene-d5 | 30.02 | 40.00 | ug/L | 75% | | 20-140 |
| 2-Fluorobiphenyl | 29.04 | 40.00 | ug/L | 73% | | 20-140 |
| Terphenyl-d14 | 32.40 | 40.00 | ug/L | 81% | | 20-140 |

| | | |
|---|---|---|
| **Type: Lab Control Sample Duplicate** | **Lab ID: QC1238049** | **Batch: 365636** |
| **Matrix: Water** | **Method: EPA 625.1** | **Prep Method: EPA 3510C** |

| QC1238049 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 25.09 | 75.00 | ug/L | 33% | | 13-120 | 2 | 62 |
| 3-,4-Methylphenol | 49.06 | 75.00 | ug/L | 65% | | 29-120 | 0 | 62 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 18.75 | 40.00 | ug/L | 47% | | 20-140 | | |
| Phenol-d6 | 12.88 | 40.00 | ug/L | 32% | | 20-140 | | |
| 2,4,6-Tribromophenol | 34.21 | 40.00 | ug/L | 86% | | 20-140 | | |
| Nitrobenzene-d5 | 31.53 | 40.00 | ug/L | 79% | | 20-140 | | |
| 2-Fluorobiphenyl | 30.61 | 40.00 | ug/L | 77% | | 20-140 | | |
| Terphenyl-d14 | 33.14 | 40.00 | ug/L | 83% | | 20-140 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type: Blank** | **Lab ID: QC1238257** | **Batch: 365707** |
| **Matrix: Water** | **Method: SM5210B** | **Prep Method: METHOD** |

| QC1238257 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | mg/L | 3.0 | | 03/12/25 17:05 | 03/17/25 15:46 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1238258** | **Batch: 365707** |
| **Matrix: Water** | **Method: SM5210B** | **Prep Method: METHOD** |

| QC1238258 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 186.5 | 198.0 | mg/L | 94% | | 84.6-115.4 |

| | | |
|---|---|---|
| **Type: Sample Duplicate** | **Lab ID: QC1238298** | **Batch: 365707** |
| **Matrix (Source ID): Water (528428-003)** | **Method: SM5210B** | **Prep Method: METHOD** |

| QC1238298 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 2,986 | 3026 | mg/L | | 1 | 30 | 1 |

DO Diluted Out
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528550
Report Level : II
Report Date : 03/25/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - SW - MPARS

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 528550 |
| Project No: | SW - MPARS |
| Location: | SW - MPARS |
| Date Received: | 03/11/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN WEST INLET | 528550-001 | 03/11/25 12:30 | Water |
| SOUTH BASIN EAST INLET | 528550-002 | 03/11/25 13:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528550<br>Project No: SW - MPARS<br>Location: SW - MPARS<br>Date Received: 03/11/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/11/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Naphthalene was detected between the MDL and the RL in the method blank for batch 365765; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 200.7 and EPA 200.8):**

- Low recovery was observed for boron in the MSD for batch 365828; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for boron in the MS/MSD for batch 365828.
- Sodium was detected above the RL in the method blank for batch 365839; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Conductivity (SM2510B):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (SM5220D):**
No analytical problems were encountered.

**Turbidity (SM2130B):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 528550

Page: 3 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

**Analysis Request**

**Test Instructions / Commen**

MPARS

Email report to:

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | TOTAL METALS | 8260 + APPENDIX II | 300.0 NO3,BROMINE, FLURIDE, SO4 | TOC | COD | 8270 SIM 1, 4-DIONANE | SULFIDE | ALK, BICARB, TDS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN WEST INLET | 03/11/25 | 1230 | W | 12 | 6,2,4 | X | X | X | X | X | X | X | X | | |
| 2 | SOUTH BASIN EAST INLET | 03/11/25 | 1300 | W | 12 | 6,2,4 | X | X | X | X | X | X | X | X | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

Login 528550

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | Ian Carter II | Ian Carter II | CTEH | 3/11/2025 5:30 pm |
| [1] Received By: | NRC | NRC | FEDEX | 3-11-25 1730 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/11/25 WO# 528550 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/11/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 5.8 /5.9 #2: 5.6 /5.7 #3: 4.9 /5.0 #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | | \ | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | \ | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | \ | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.13: -001 has headspace > 6mm in 1 of 3 vials.

4.1: Analyses requested on COC do not match the updated product template 'SW-MPars'. LR logged using the template which is correct per the PM.

☐ **No additional discrepancies**

**Date Logged** 3/11/25 **By (print)** ABD **(sign)** _____

**Date Labeled** 3/11/25 **By (print)** NIG/TLK **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 528550

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528550
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 03/11/25

**Sample ID:** SOUTH BASIN WEST INLET | **Lab ID:** 528550-001 | **Matrix:** Water | **Collected:** 03/11/25 12:30

| 528550-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **18** | | mg/L | 0.57 | 0.57 | 1 | 366622 | 03/21/25 | 03/21/25 | CAP |
| Magnesium | **2.4** | | mg/L | 0.10 | 0.025 | 1 | 366622 | 03/21/25 | 03/21/25 | CAP |
| Potassium | **3.1** | | mg/L | 0.50 | 0.40 | 1 | 366622 | 03/21/25 | 03/21/25 | CAP |
| Sodium | **18** | | mg/L | 0.50 | 0.35 | 1 | 366622 | 03/21/25 | 03/21/25 | CAP |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **48** | | ug/L | 10 | 5.7 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Manganese | **27** | | ug/L | 10 | 3.4 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.052** | J | mg/L | 0.20 | 0.034 | 1 | 365560 | 03/11/25 14:45 | 03/12/25 05:16 | AJL |
| Nitrogen, Nitrite | **0.09** | J | mg/L | 0.10 | 0.02 | 1 | 365560 | 03/11/25 14:45 | 03/12/25 05:16 | AJL |
| Bromide | **0.060** | J | mg/L | 0.30 | 0.060 | 1 | 365560 | 03/11/25 14:45 | 03/12/25 05:16 | AJL |
| Nitrogen, Nitrate | **1.0** | | mg/L | 0.10 | 0.05 | 1 | 365560 | 03/11/25 14:45 | 03/12/25 05:16 | AJL |
| Sulfate | **28** | | mg/L | 1.0 | 0.18 | 1 | 365560 | 03/11/25 14:45 | 03/12/25 05:16 | AJL |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Acetone | **37** | J | ug/L | 100 | 16 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Butanone | **20** | J | ug/L | 100 | 3.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528550

| 528550-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| para-Isopropyl Toluene | **0.5** | J | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene-d8 | 99% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528550

| 528550-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | **4.2** | | ug/L | 1.0 | 0.95 | 1 | 365701 | 03/12/25 | 03/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 1 | 365701 | 03/12/25 | 03/14/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 365688 | 03/13/25 | 03/13/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **9.0** | | mg/L | 1.0 | 0.68 | 1 | 366009 | 03/14/25 | 03/16/25 | TDD |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **67** | | NTU | 0.10 | 0.009 | 1 | 365750 | 03/12/25 23:00 | 03/12/25 23:00 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **68** | | mg/L | 2.4 | | 1 | 366064 | 03/15/25 | 03/15/25 | WWC |
| Alkalinity, Total as CaCO3 | **56** | | mg/L | 2.0 | | 1 | 366064 | 03/15/25 | 03/15/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **200** | | umhos/cm | 1.0 | | 1 | 366104 | 03/16/25 | 03/16/25 | RDL |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **150** | | mg/L | 20 | | 2 | 365843 | 03/13/25 | 03/16/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **49** | | mg/L | 4.0 | 1.6 | 1 | 366368 | 03/19/25 | 03/19/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528550

| Sample ID: | Lab ID: 528550-002 | Collected: 03/11/25 13:00 |
|---|---|---|
| SOUTH BASIN EAST INLET | Matrix: Water | |

| 528550-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **2,400** | | mg/L | 57 | 57 | 100 | 365839 | 03/13/25 | 03/14/25 | CAP |
| Magnesium | **250** | | mg/L | 0.10 | 0.025 | 1 | 365839 | 03/13/25 | 03/13/25 | CAP |
| Potassium | **100** | | mg/L | 0.50 | 0.40 | 1 | 365839 | 03/13/25 | 03/13/25 | CAP |
| Sodium | **170** | | mg/L | 0.50 | 0.35 | 1 | 365839 | 03/13/25 | 03/13/25 | CAP |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **1,200** | | ug/L | 100 | 57 | 10 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Manganese | **19,000** | | ug/L | 2,500 | 860 | 250 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.24** | | mg/L | 0.20 | 0.034 | 1 | 365560 | 03/11/25 14:45 | 03/12/25 05:39 | AJL |
| Nitrogen, Nitrite | **0.08** | J | mg/L | 0.10 | 0.02 | 1 | 365560 | 03/11/25 14:45 | 03/12/25 05:39 | AJL |
| Bromide | **0.36** | | mg/L | 0.30 | 0.060 | 1 | 365560 | 03/11/25 14:45 | 03/12/25 05:39 | AJL |
| Nitrogen, Nitrate | **1.5** | | mg/L | 0.10 | 0.05 | 1 | 365560 | 03/11/25 14:45 | 03/12/25 05:39 | AJL |
| Sulfate | **760** | | mg/L | 10 | 1.8 | 10 | 365560 | 03/11/25 14:45 | 03/12/25 11:07 | AJL |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Acetone | **27** | J | ug/L | 100 | 16 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Butanone | **4.3** | J | ug/L | 100 | 3.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528550

| 528550-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-Pentanone | **2.4** | J | ug/L | 5.0 | 2.3 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Naphthalene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| 1,2-Dichloroethane-d4 | 99% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Toluene-d8 | 100% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 365765 | 03/13/25 | 03/13/25 | LYZ |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 1 | 365701 | 03/12/25 | 03/14/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 1 | 365701 | 03/12/25 | 03/14/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528550

| 528550-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 365688 | 03/13/25 | 03/13/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **42** | | mg/L | 2.0 | 1.4 | 2 | 366009 | 03/14/25 | 03/16/25 | TDD |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **950** | | NTU | 3.0 | 0.28 | 30 | 365750 | 03/12/25 23:00 | 03/12/25 23:00 | TDD |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **88** | | mg/L | 4.0 | | 1.7 | 366064 | 03/15/25 | 03/15/25 | WWC |
| Alkalinity, Total as CaCO3 | **72** | | mg/L | 3.3 | | 1.7 | 366064 | 03/15/25 | 03/15/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **1,860** | | umhos/cm | 1.0 | | 1 | 366104 | 03/16/25 | 03/16/25 | RDL |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,500** | | mg/L | 20 | | 2 | 365843 | 03/13/25 | 03/16/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **540** | | mg/L | 20 | 8.0 | 5 | 366368 | 03/19/25 | 03/19/25 | DXA |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1238676** | **Batch:** | **365839** |
| **Matrix:** | **Water** | **Method:** | **EPA 200.7** | **Prep Method:** | **EPA 3015A** |

| QC1238676 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/13/25 | 03/13/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 03/13/25 | 03/13/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 03/13/25 | 03/13/25 |
| Sodium | 1.1 | | mg/L | 0.50 | 0.35 | 03/13/25 | 03/14/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1238679** | **Batch:** | **365839** |
| **Matrix (Source ID):** | **Water (528674-001)** | **Method:** | **EPA 200.7** | **Prep Method:** | **EPA 3015A** |

| QC1238679 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 26.13 | 5.220 | 20.40 | mg/L | 103% | | 75-125 | 1 |
| Magnesium | 21.87 | 0.8738 | 20.40 | mg/L | 103% | | 75-125 | 1 |
| Potassium | 23.95 | 0.7980 | 24.00 | mg/L | 96% | | 75-125 | 1 |
| Sodium | 26.00 | 5.905 | 20.40 | mg/L | 99% | | 75-125 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1238680** | **Batch:** | **365839** |
| **Matrix (Source ID):** | **Water (528674-001)** | **Method:** | **EPA 200.7** | **Prep Method:** | **EPA 3015A** |

| QC1238680 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 25.38 | 5.220 | 20.40 | mg/L | 99% | | 75-125 | 3 | 20 | 1 |
| Magnesium | 21.21 | 0.8738 | 20.40 | mg/L | 100% | | 75-125 | 3 | 20 | 1 |
| Potassium | 23.23 | 0.7980 | 24.00 | mg/L | 93% | | 75-125 | 3 | 20 | 1 |
| Sodium | 25.31 | 5.905 | 20.40 | mg/L | 95% | | 75-125 | 3 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1238681** | **Batch:** | **365839** |
| **Matrix (Source ID):** | **Water (528674-002)** | **Method:** | **EPA 200.7** | **Prep Method:** | **EPA 3015A** |

| QC1238681 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 28.36 | 8.914 | 20.40 | mg/L | 95% | | 75-125 | 1 |
| Magnesium | 21.70 | 1.774 | 20.40 | mg/L | 98% | | 75-125 | 1 |
| Potassium | 25.73 | 3.619 | 24.00 | mg/L | 92% | | 75-125 | 1 |
| Sodium | 24.63 | 5.316 | 20.40 | mg/L | 95% | | 75-125 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238682 | Batch: | 365839 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528674-002) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1238682 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 28.55 | 8.914 | 20.40 | mg/L | 96% | | 75-125 | 1 | 20 | 1 |
| Magnesium | 22.00 | 1.774 | 20.40 | mg/L | 99% | | 75-125 | 1 | 20 | 1 |
| Potassium | 26.03 | 3.619 | 24.00 | mg/L | 93% | | 75-125 | 1 | 20 | 1 |
| Sodium | 24.75 | 5.316 | 20.40 | mg/L | 95% | | 75-125 | 1 | 20 | 1 |

| Type: | Lab Control Sample | Lab ID: | QC1238683 | Batch: | 365839 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1238683 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 21.71 | 20.40 | mg/L | 106% | | 85-115 |
| Magnesium | 21.62 | 20.40 | mg/L | 106% | | 85-115 |
| Potassium | 23.66 | 24.00 | mg/L | 99% | | 85-115 |
| Sodium | 21.32 | 20.40 | mg/L | 104% | | 85-115 |

| Type: | Serial Dilution | Lab ID: | QC1238808 | Batch: | 365839 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528674-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1238808 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Calcium | 4.858 | 5.220 | mg/L | | | | 5 |
| Magnesium | 0.8018 | 0.8738 | mg/L | | | | 5 |
| Potassium | ND | 0.7980 | mg/L | | | | 5 |
| Sodium | 9.525 | 5.905 | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1241320 | Batch: | 366622 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1241320 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/21/25 | 03/21/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 03/21/25 | 03/21/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 03/21/25 | 03/21/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 03/21/25 | 03/21/25 |

| Type: | Lab Control Sample | Lab ID: | QC1241321 | Batch: | 366622 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1241321 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 19.53 | 20.40 | mg/L | 96% | | 85-115 |
| Magnesium | 19.58 | 20.40 | mg/L | 96% | | 85-115 |
| Potassium | 22.36 | 24.00 | mg/L | 93% | | 85-115 |
| Sodium | 19.05 | 20.40 | mg/L | 93% | | 85-115 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1241322 | Batch: | 366622 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529348-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1241322 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 45.03 | 25.00 | 20.40 | mg/L | 98% | | 75-125 | 1 |
| Magnesium | 27.51 | 6.719 | 20.40 | mg/L | 102% | | 75-125 | 1 |
| Potassium | 31.86 | 7.589 | 24.00 | mg/L | 101% | | 75-125 | 1 |
| Sodium | 432.9 | 421.0 | 20.40 | mg/L | 58% | NM | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1241323 | Batch: | 366622 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529348-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1241323 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 44.36 | 25.00 | 20.40 | mg/L | 95% | | 75-125 | 1 | 20 | 1 |
| Magnesium | 26.81 | 6.719 | 20.40 | mg/L | 99% | | 75-125 | 3 | 20 | 1 |
| Potassium | 31.08 | 7.589 | 24.00 | mg/L | 98% | | 75-125 | 2 | 20 | 1 |
| Sodium | 430.9 | 421.0 | 20.40 | mg/L | 48% | NM | 75-125 | 0 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1241435 | Batch: | 366622 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528550-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1241435 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Calcium | 18.58 | 17.60 | mg/L | | | | 5 |
| Magnesium | 2.623 | 2.383 | mg/L | | | | 5 |
| Potassium | 3.704 | 3.086 | mg/L | | | | 5 |
| Sodium | 19.81 | 17.77 | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1238054 | Batch: | 365638 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238054 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | ug/L | 10 | 5.7 | 03/12/25 | 03/12/25 |
| Manganese | ND | | ug/L | 10 | 3.4 | 03/12/25 | 03/12/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238055 | Batch: | 365638 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238055 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 88.51 | 100.0 | ug/L | 89% | | 85-115 |
| Manganese | 104.4 | 100.0 | ug/L | 104% | | 85-115 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1238056 | Batch: | 365638 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528455-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238056 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 631.2 | 383.5 | 100.0 | ug/L | 248% | NM | 70-130 | 25 |
| Manganese | 229.9 | 129.0 | 100.0 | ug/L | 101% | | 70-130 | 25 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238057 | Batch: | 365638 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528455-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238057 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 519.9 | 383.5 | 100.0 | ug/L | 136% | NM | 70-130 | 19 | 20 | 25 |
| Manganese | 231.9 | 129.0 | 100.0 | ug/L | 103% | | 70-130 | 1 | 20 | 25 |

| Type: | Matrix Spike | Lab ID: | QC1238059 | Batch: | 365638 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528455-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238059 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 1,092 | 869.5 | 100.0 | ug/L | 222% | NM | 70-130 | 25 |
| Manganese | 547.9 | 436.9 | 100.0 | ug/L | 111% | NM | 70-130 | 25 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238060 | Batch: | 365638 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528455-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238060 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 1,132 | 869.5 | 100.0 | ug/L | 262% | NM | 70-130 | 4 | 20 | 25 |
| Manganese | 550.8 | 436.9 | 100.0 | ug/L | 114% | NM | 70-130 | 1 | 20 | 25 |

| Type: | Blank | Lab ID: | QC1238639 | Batch: | 365828 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238639 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | ug/L | 10 | 5.7 | 03/13/25 | 03/13/25 |
| Manganese | ND | | ug/L | 10 | 3.4 | 03/13/25 | 03/13/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238640 | Batch: | 365828 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238640 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 90.27 | 100.0 | ug/L | 90% | | 85-115 |
| Manganese | 96.72 | 100.0 | ug/L | 97% | | 85-115 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1238641 | Batch: | 365828 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528678-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238641 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 162.1 | 88.96 | 100.0 | ug/L | 73% | | 70-130 | 10 |
| Manganese | 100.3 | ND | 100.0 | ug/L | 100% | | 70-130 | 10 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238642 | Batch: | 365828 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528678-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238642 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 130.1 | 88.96 | 100.0 | ug/L | 41% | * | 70-130 | 22* | 20 | 10 |
| Manganese | 105.0 | ND | 100.0 | ug/L | 105% | | 70-130 | 5 | 20 | 10 |

| Type: | Blank | Lab ID: | QC1237779 | Batch: | 365560 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1237779 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.034 | 03/11/25 14:45 | 03/11/25 14:56 |
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 03/11/25 14:45 | 03/11/25 14:56 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 03/11/25 14:45 | 03/11/25 14:56 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 03/11/25 14:45 | 03/11/25 14:56 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 03/11/25 14:45 | 03/11/25 14:56 |

| Type: | Lab Control Sample | Lab ID: | QC1237780 | Batch: | 365560 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1237780 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.221 | 10.00 | mg/L | 92% | | 90-110 |
| Nitrogen, Nitrite | 4.584 | 4.567 | mg/L | 100% | | 90-110 |
| Bromide | 15.02 | 15.00 | mg/L | 100% | | 90-110 |
| Nitrogen, Nitrate | 4.532 | 4.518 | mg/L | 100% | | 90-110 |
| Sulfate | 25.00 | 25.00 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1237781 | Batch: | 365560 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (527827-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1237781 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.27 | 0.07102 | 20.00 | mg/L | 96% | | 80-120 | 1 |
| Nitrogen, Nitrite | 9.140 | ND | 9.134 | mg/L | 100% | | 80-120 | 1 |
| Bromide | 15.45 | 0.5475 | 15.00 | mg/L | 99% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.068 | ND | 9.036 | mg/L | 100% | | 80-120 | 1 |
| Sulfate | 51.13 | 1.383 | 50.00 | mg/L | 99% | | 80-120 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1237782** | **Batch:** | **365560** |
| **Matrix (Source ID):** | **Water (527827-001)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1237782 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 19.48 | 0.07102 | 20.00 | mg/L | 97% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrite | 9.215 | ND | 9.134 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |
| Bromide | 15.51 | 0.5475 | 15.00 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |
| Nitrogen, Nitrate | 9.131 | ND | 9.036 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 51.51 | 1.383 | 50.00 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238470** | **Batch:** | **365765** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238470 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.45 | 50.00 | ug/L | 101% | | 70-135 |
| MTBE | 49.95 | 50.00 | ug/L | 100% | | 70-130 |
| Benzene | 49.45 | 50.00 | ug/L | 99% | | 70-130 |
| Trichloroethene | 49.54 | 50.00 | ug/L | 99% | | 70-130 |
| Toluene | 50.01 | 50.00 | ug/L | 100% | | 70-130 |
| Chlorobenzene | 51.67 | 50.00 | ug/L | 103% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 53.83 | 50.00 | ug/L | 108% | | 70-130 |
| 1,2-Dichloroethane-d4 | 48.99 | 50.00 | ug/L | 98% | | 70-130 |
| Toluene-d8 | 50.61 | 50.00 | ug/L | 101% | | 70-130 |
| Bromofluorobenzene | 52.07 | 50.00 | ug/L | 104% | | 70-130 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1238471** | **Batch:** | **365765** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238471 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.71 | 50.00 | ug/L | 99% | | 70-135 | 1 | 30 |
| MTBE | 50.14 | 50.00 | ug/L | 100% | | 70-130 | 0 | 30 |
| Benzene | 49.00 | 50.00 | ug/L | 98% | | 70-130 | 1 | 30 |
| Trichloroethene | 49.70 | 50.00 | ug/L | 99% | | 70-130 | 0 | 30 |
| Toluene | 50.07 | 50.00 | ug/L | 100% | | 70-130 | 0 | 30 |
| Chlorobenzene | 51.91 | 50.00 | ug/L | 104% | | 70-130 | 0 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 53.70 | 50.00 | ug/L | 107% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 48.79 | 50.00 | ug/L | 98% | | 70-130 | | |
| Toluene-d8 | 50.94 | 50.00 | ug/L | 102% | | 70-130 | | |
| Bromofluorobenzene | 51.88 | 50.00 | ug/L | 104% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1238472** | **Batch:** | **365765** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238472 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 1.3 | 03/13/25 | 03/13/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/13/25 | 03/13/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.3 | 03/13/25 | 03/13/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Acetone | ND | | ug/L | 100 | 16 | 03/13/25 | 03/13/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 1.4 | 03/13/25 | 03/13/25 |
| MTBE | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| 2-Butanone | ND | | ug/L | 100 | 3.1 | 03/13/25 | 03/13/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.09 | 03/13/25 | 03/13/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.06 | 03/13/25 | 03/13/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.09 | 03/13/25 | 03/13/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Benzene | ND | | ug/L | 5.0 | 0.09 | 03/13/25 | 03/13/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.09 | 03/13/25 | 03/13/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 2.3 | 03/13/25 | 03/13/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 03/13/25 | 03/13/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 03/13/25 | 03/13/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/13/25 | 03/13/25 |

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# Batch QC

| QC1238472 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.07 | 03/13/25 | 03/13/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.5 | 03/13/25 | 03/13/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.08 | 03/13/25 | 03/13/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| Naphthalene | 0.3 | J | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/13/25 | 03/13/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.5 | 03/13/25 | 03/13/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 03/13/25 | 03/13/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/13/25 | 03/13/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 03/13/25 | 03/13/25 |
| 1,2-Dichloroethane-d4 | 98% | | %REC | 70-130 | | 03/13/25 | 03/13/25 |
| Toluene-d8 | 100% | | %REC | 70-130 | | 03/13/25 | 03/13/25 |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 03/13/25 | 03/13/25 |

**Type:** Matrix Spike **Lab ID:** QC1238696 **Batch:** 365765
**Matrix (Source ID):** Water (528176-003) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1238696 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 233.3 | ND | 200.0 | ug/L | 117% | | 70-130 | 10 |
| MTBE | 219.1 | ND | 200.0 | ug/L | 110% | | 75-130 | 10 |
| Benzene | 233.9 | ND | 200.0 | ug/L | 117% | | 70-130 | 10 |
| Trichloroethene | 249.2 | ND | 200.0 | ug/L | 125% | | 63-130 | 10 |
| Toluene | 237.1 | ND | 200.0 | ug/L | 119% | | 70-130 | 10 |
| Chlorobenzene | 242.0 | ND | 200.0 | ug/L | 121% | | 70-130 | 10 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 526.1 | | 500.0 | ug/L | 105% | | 70-130 | 10 |
| 1,2-Dichloroethane-d4 | 482.9 | | 500.0 | ug/L | 97% | | 70-130 | 10 |
| Toluene-d8 | 500.4 | | 500.0 | ug/L | 100% | | 70-130 | 10 |
| Bromofluorobenzene | 512.3 | | 500.0 | ug/L | 102% | | 70-130 | 10 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238697 | Batch: | 365765 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528176-003) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1238697 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 206.0 | ND | 200.0 | ug/L | 103% | | 70-130 | 12 | 30 | 10 |
| MTBE | 190.6 | ND | 200.0 | ug/L | 95% | | 75-130 | 14 | 30 | 10 |
| Benzene | 204.2 | ND | 200.0 | ug/L | 102% | | 70-130 | 14 | 30 | 10 |
| Trichloroethene | 220.7 | ND | 200.0 | ug/L | 110% | | 63-130 | 12 | 30 | 10 |
| Toluene | 209.6 | ND | 200.0 | ug/L | 105% | | 70-130 | 12 | 30 | 10 |
| Chlorobenzene | 212.4 | ND | 200.0 | ug/L | 106% | | 70-130 | 13 | 30 | 10 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 519.1 | | 500.0 | ug/L | 104% | | 70-130 | | | 10 |
| 1,2-Dichloroethane-d4 | 479.9 | | 500.0 | ug/L | 96% | | 70-130 | | | 10 |
| Toluene-d8 | 504.9 | | 500.0 | ug/L | 101% | | 70-130 | | | 10 |
| Bromofluorobenzene | 508.7 | | 500.0 | ug/L | 102% | | 70-130 | | | 10 |

| Type: | Blank | Lab ID: | QC1238224 | Batch: | 365701 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238224 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 03/12/25 | 03/13/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 101% | | %REC | 80-120 | | 03/12/25 | 03/13/25 |

| Type: | Lab Control Sample | Lab ID: | QC1238225 | Batch: | 365701 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238225 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.502 | 10.00 | ug/L | 85% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.996 | 10.00 | ug/L | 100% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1238226 | Batch: | 365701 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1238226 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 9.346 | 10.00 | ug/L | 93% | | 80-120 | 9 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.09 | 10.00 | ug/L | 101% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1238180 | Batch: | 365688 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1238180 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/12/25 | 03/12/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1238183 **Batch:** 365688
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1238183 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1238184 **Batch:** 365688
**Matrix (Source ID):** Water (528033-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1238184 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1238185 **Batch:** 365688
**Matrix (Source ID):** Water (528033-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1238185 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1239206 **Batch:** 366009
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239206 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 03/14/25 | 03/15/25 |

**Type:** Lab Control Sample **Lab ID:** QC1239207 **Batch:** 366009
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239207 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 23.16 | 25.00 | mg/L | 93% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1239208 **Batch:** 366009
**Matrix (Source ID):** Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239208 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 4,069 | 4283 | 25.00 | mg/L | -856% | NM | 75-125 | 27 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1239209 **Batch:** 366009
**Matrix (Source ID):** Water (528202-002) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1239209 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 4,016 | 4283 | 25.00 | mg/L | -1068% | NM | 75-125 | 1 | 25 | 27 |

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# Batch QC

| Type: | Sample Duplicate | Lab ID: | QC1238429 | Batch: | 365750 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528461-001) | Method: | SM2130B | | |

| QC1238429 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Turbidity | 3.100 | 2.990 | NTU | | 4 | 20 | 1 |

| Type: | Sample Duplicate | Lab ID: | QC1238430 | Batch: | 365750 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528550-002) | Method: | SM2130B | | |

| QC1238430 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Turbidity | 930.0 | 951.0 | NTU | | 2 | 20 | 30 |

| Type: | Blank | Lab ID: | QC1239427 | Batch: | 366064 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1239427 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Bicarbonate | ND | | mg/L | 2.0 | | 03/15/25 | 03/15/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 03/15/25 | 03/15/25 |

| Type: | Lab Control Sample | Lab ID: | QC1239428 | Batch: | 366064 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1239428 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,069 | 1000 | mg/L | 107% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1239430 | Batch: | 366064 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528550-002) | Method: | SM2320B | Prep Method: | METHOD |

| QC1239430 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Bicarbonate | 91.65 | 88.24 | mg/L | | 4 | 20 | 1.7 |
| Alkalinity, Total as CaCO3 | 75.12 | 72.33 | mg/L | | 4 | 20 | 1.7 |

| Type: | Sample Duplicate | Lab ID: | QC1239580 | Batch: | 366104 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528097-001) | Method: | SM2510B | Prep Method: | METHOD |

| QC1239580 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 1,544 | 1532 | umhos/cm | | 1 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1238701 | Batch: 365843 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1238701 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 03/13/25 | 03/16/25 |

| Type: Lab Control Sample | Lab ID: QC1238702 | Batch: 365843 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1238702 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 616.0 | 614.0 | mg/L | 100% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1238709 | Batch: 365843 |
|---|---|---|
| Matrix (Source ID): Water (528436-001) | Method: SM2540C | Prep Method: METHOD |

| QC1238709 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,896 | 1946 | mg/L | | 3 | 5 | 2 |

| Type: Sample Duplicate | Lab ID: QC1238712 | Batch: 365843 |
|---|---|---|
| Matrix (Source ID): Water (528522-002) | Method: SM2540C | Prep Method: METHOD |

| QC1238712 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,008 | 996.0 | mg/L | | 1 | 5 | 2 |

| Type: Blank | Lab ID: QC1240470 | Batch: 366368 |
|---|---|---|
| Matrix: Water | Method: SM5220D | Prep Method: METHOD |

| QC1240470 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 1.6 | 03/19/25 | 03/19/25 |

| Type: Lab Control Sample | Lab ID: QC1240471 | Batch: 366368 |
|---|---|---|
| Matrix: Water | Method: SM5220D | Prep Method: METHOD |

| QC1240471 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,033 | 1000 | mg/L | 103% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1240472 | Batch: 366368 |
|---|---|---|
| Matrix (Source ID): Water (528111-001) | Method: SM5220D | Prep Method: METHOD |

| QC1240472 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,252 | 225.0 | 1000 | mg/L | 103% | | 75-125 | 2 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1240473** | **Batch:** | **366368** |
| **Matrix (Source ID):** | **Water (528111-001)** | **Method:** | **SM5220D** | **Prep Method:** | **METHOD** |

| QC1240473 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,260 | 225.0 | 1000 | mg/L | 104% | | 75-125 | 1 | 20 | 2 |

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful

**Laboratory Job Number 528550**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

McCampbell Analytical, Inc.
*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2503B21

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-528550

**Project Location:**
**Project Received:** 03/17/2025

Analytical Report reviewed & approved for release on 03/19/2025 by:

Ana Venegas
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

McCampbell Analytical, Inc.
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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503B21
**Project:** EO-528550

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503B21

**Project:** EO-528550

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| b1 | Aqueous sample that contains greater than ~1 vol. % sediment |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B21 |
| **Date Received:** | 03/17/2025 11:38 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/18/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-528550 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 2503B21-001A | Water | 03/11/2025 12:30 | GC26 0318250905.D | 313540 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **270** | 50 | 50 | 1 | 03/18/2025 10:43 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN EAST INLET | 2503B21-002A | Water | 03/11/2025 13:00 | GC26 0318250909.D | 313540 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **770** | 50 | 50 | 1 | 03/18/2025 11:32 |

Analyst(s): CLO

Analytical Comments: b1

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B21 |
| **Date Prepared:** | 03/18/2025 | **BatchID:** | 313540 |
| **Date Analyzed:** | 03/18/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528550 | **Sample ID:** | MB/LCS/LCSD-313540 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 160 | 187.2 | 76 | 83 | 70-130 | 9.12 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503B21** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag
☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: diane.galvan@enthalpy.com; incomingrepo
PO: 079649
Project: EO-528550

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT:** **2 days;**

*Date Received:* **03/17/2025**
*Date Logged:* **03/17/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503B21-001 | SOUTH BASIN WEST INLET | Water | 3/11/2025 12:30 | ☐ | A | A | | | | | | | | | | |
| 2503B21-002 | SOUTH BASIN EAST INLET | Water | 3/11/2025 13:00 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-528550
**Comments:**

**Work Order:** 2503B21
**QC Level:** LEVEL 2
**Date Logged:** 3/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH BASIN WEST INLET | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/11/2025 12:30 | 2 days | 3/19/2025 | Present | ☐ | ☐ |
| 002A | SOUTH BASIN EAST INLET | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/11/2025 13:00 | 2 days | 3/19/2025 | 5%+ | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2503B21

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-528550
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

**HOLD TIME RUSH**

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 11-MAR-2025 12:30 | 528550-001 | 2 | Water | RSK-175 CO2 | |
| SOUTH BASIN EAST INLET | 11-MAR-2025 13:00 | 528550-002 | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | D. Dinkgrave EA-ORA | |
| | Date: 3/12/25 1645 | Date: |
| | | Emily Le |
| | Date: | Date: 3/13/25 11:38 |
| | | |
| | Date: | Date: |

GIS: 5e2751289

2.2 cool
IR30

McCampbell Analytical, Inc.
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# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-528550

Date and Time Received: 3/17/2025 11:38
Date Logged: 3/17/2025
Received by: Emily Perez
Logged by: Emily Perez

WorkOrder №: 2503B21 Matrix: Water
Carrier: Golden State Overnight

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☐ | No | ☐ | NA | ☑ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 2.2°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

| | | |
|---|---|---|
| Lab Job Number | : | 528551 |
| Report Level | : | II |
| Report Date | : | 04/01/2025 |
| **Revision** | : | **1 (See narrative)** |

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - SW - APPENDIX II

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 528551 |
| Project No: | SW - APPENDIX II |
| Location: | SW - APPENDIX II |
| Date Received: | 03/11/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN WEST INLET | 528551-001 | 03/11/25 12:30 | Water |
| SOUTH BASIN EAST INLET | 528551-002 | 03/11/25 13:00 | Water |
| TRIP BLANK | 528551-003 | 03/11/25 13:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528551<br>Project No: SW - APPENDIX II<br>Location: SW - APPENDIX II<br>Date Received: 03/11/25 |

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/11/25. The samples were received cold and intact.
- This report was revised on 04/01/25 to include subcontracted 8151 and 8290 data.

**Volatile Organics by GC/MS (EPA 8260B):**

- SOUTH BASIN EAST INLET (lab # 528551-002) had pH greater than 2.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS (EPA 8270C):**

- SOUTH BASIN EAST INLET (lab # 528551-002) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**

- SOUTH BASIN EAST INLET (lab # 528551-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

**Pesticides (EPA 8081A):**

- High recovery was observed for methoxychlor in the LCS for batch 365844; this analyte was not detected at or above the RL in the associated samples.
- SOUTH BASIN EAST INLET (lab # 528551-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

**PCBs (EPA 8082):**

- High surrogate recovery was observed for decachlorobiphenyl (PCB) in SOUTH BASIN EAST INLET (lab # 528551-002); no target analytes were detected in the sample.
- SOUTH BASIN EAST INLET (lab # 528551-002) was treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- SOUTH BASIN EAST INLET (lab # 528551-002) was diluted due to the dark and viscous nature of the sample extract.
- No other analytical problems were encountered.

**Metals (EPA 200.8 and EPA 245.1):**

- High response was observed for antimony in the ICV analyzed 03/13/25 13:10; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- High response was observed for beryllium in the ICV analyzed 03/12/25 22:32; this analyte was not detected at or above the RL in the associated sample, and affected data was qualified with "b".
- High recovery was observed for antimony in the LCS for batch 365828; this analyte was not detected at or above the RL in the associated sample.
- Tin was detected between the MDL and the RL in the method blank for batch 365638; this analyte was not detected in the sample at or above the RL.
- No other analytical problems were encountered.

**Total Phenolics (EPA 420.1):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):**
No analytical problems were encountered.

**Organophosphorus Pesticides (EPA 8141A):**
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

**8151A Chlorinated Herbicides (EPA 8151A):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

**Dioxins & Furans (EPA 8290):**
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 528551

Page: 4 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | CTEH-CHIQUITA |
| Report To: | KATE LOGAN | LIMS Proj. Name: | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | Sampled By: | CH ST |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | TOTAL METALS | 8260 + APPENDIX II | RSK 175 CO2, 8260 ACROLEIN/ACRYLONITRILE | 8720C + APP II, 8081/8082,8141, 8151,8290,2,3 | CYANIDE | PHENOLS | SULFIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN WEST INLET | 03/11/25 | 1230 | W | 17 | 6,2,4 | X | X | X | X | X | X | X |
| 2 | SOUTH BASIN EAST INLET | 03/11/25 | 1300 | W | 17 | 6,2,4 | X | X | X | X | X | X | X |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Commen**

APPENDIX II

Email report to:

Login 528551

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | Ian Carter II | Ian Carter II | CTEH | 3/11/2025 5:30pm |
| [1] Received By: | | NCAG | CTEH | 3-11-25 17:30 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 3/11/25 WO# 528551 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 3/11/25 By (initials) NIG Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: 5.8 / 5.9 #2: 5.6 / 5.7 #3: 4.9 / 5.0 #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

**Section 3b: Microbiology Samples** ☐ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | | \ | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | | \ | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? ABD 3/11/25 | ~~X~~ | \ | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | \ | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

4.13: -002 has headspace >6mm in 2 of 3 vials.

4.1: COC requests RSK 175 $CO_2$ which is not included in product template 'SW - Appendix II (USE)'. Logged per template which is correct per the PM.

4.3: One 1L amber glass jar was received with broken cap, seal still intact. Cap replaced.

4.5: 1x 40mL vial with HCl for Trip Blank was received with samples and logged as sample -003.

☐ **No additional discrepancies**

**Date Logged** 3/11/25 **By (print)** ABD **(sign)** ABD

**Date Labeled** 3/11/25 **By (print)** NIG/TLK **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 528551

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528551
Project No: SW - APPENDIX II
Location: SW - APPENDIX II
Date Received: 03/11/25

**Sample ID:** SOUTH BASIN WEST INLET | **Lab ID:** 528551-001 | **Matrix:** Water | **Collected:** 03/11/25 12:30

| 528551-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Tin | **1.4** | B,J | ug/L | 5.0 | 0.50 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Antimony | **1.2** | J | ug/L | 2.0 | 0.31 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Arsenic | **3.0** | | ug/L | 2.0 | 0.38 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Barium | **20** | | ug/L | 5.0 | 0.46 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Beryllium | **0.094** | J,b | ug/L | 1.0 | 0.076 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Cadmium | ND | | ug/L | 1.0 | 0.095 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Chromium | **10** | | ug/L | 5.0 | 0.24 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Cobalt | **0.95** | J | ug/L | 1.0 | 0.074 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Copper | **4.7** | | ug/L | 3.0 | 2.0 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Lead | **1.3** | J | ug/L | 5.0 | 0.18 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Nickel | **2.3** | J | ug/L | 5.0 | 0.84 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Selenium | ND | | ug/L | 2.0 | 1.6 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Silver | ND | | ug/L | 5.0 | 0.63 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Thallium | ND | | ug/L | 1.0 | 0.20 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Vanadium | **7.6** | | ug/L | 5.0 | 0.26 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Zinc | **8.6** | J | ug/L | 10 | 7.4 | 1 | 365638 | 03/12/25 | 03/12/25 | KAM |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | **0.040** | J | ug/L | 0.40 | 0.032 | 1 | 365649 | 03/12/25 | 03/12/25 | MLL |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | **0.0060** | J | mg/L | 0.010 | 0.0047 | 1 | 366646 | 03/21/25 | 03/21/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| beta-BHC | ND | | ug/L | 0.05 | 0.03 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Heptachlor | ND | | ug/L | 0.05 | 0.02 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aldrin | ND | | ug/L | 0.05 | 0.03 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.02 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endosulfan I | ND | | ug/L | 0.05 | 0.03 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Dieldrin | ND | | ug/L | 0.1 | 0.03 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| 4,4'-DDE | ND | | ug/L | 0.1 | 0.03 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endrin | ND | | ug/L | 0.1 | 0.03 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endosulfan II | ND | | ug/L | 0.1 | 0.03 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endosulfan sulfate | ND | | ug/L | 0.1 | 0.03 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| 4,4'-DDD | ND | | ug/L | 0.1 | 0.02 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endrin aldehyde | ND | | ug/L | 0.1 | 0.04 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endrin ketone | ND | | ug/L | 0.1 | 0.03 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528551

| 528551-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | ND | | ug/L | 0.1 | 0.04 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Methoxychlor | ND | | ug/L | 0.1 | 0.05 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Toxaphene | ND | | ug/L | 1.9 | 0.4 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Chlordane (Technical) | ND | | ug/L | 1.0 | 0.2 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| **Surrogates** | | | | **Limits** | | | | | | |
| TCMX | 83% | | %REC | 14-120 | | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Decachlorobiphenyl | 95% | | %REC | 20-120 | | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.49 | 0.36 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1221 | ND | | ug/L | 0.49 | 0.40 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1232 | ND | | ug/L | 0.49 | 0.35 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1242 | ND | | ug/L | 0.49 | 0.34 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1248 | ND | | ug/L | 0.49 | 0.33 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1254 | ND | | ug/L | 0.49 | 0.18 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1260 | ND | | ug/L | 0.49 | 0.44 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1262 | ND | | ug/L | 0.49 | 0.38 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1268 | ND | | ug/L | 0.49 | 0.24 | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 90% | | %REC | 18-126 | | 0.97 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.5 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Ethanol | ND | | ug/L | 500 | 320 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.7 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Isopropanol (IPA) | **82** | J | ug/L | 200 | 73 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 4.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Iodomethane | ND | | ug/L | 7.6 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Acetone | **30** | J | ug/L | 100 | 21 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Methylene Chloride | ND | | ug/L | 10 | 2.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 2-Butanone | **16** | | ug/L | 10 | 1.7 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528551

| 528551-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.0 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| para-Isopropyl Toluene | **0.3** | J | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| TIC:1-Butanol | **1.9** | J | ug/L | | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| TIC:1-Hexanol, 2-ethyl- | **3.0** | J | ug/L | | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528551

| 528551-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:Cyclopentanone, 2-ethyl- | **1.2** | J | ug/L | | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dichloroethane-d4 | 103% | | %REC | 70-130 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Toluene-d8 | 97% | | %REC | 70-130 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Bromofluorobenzene | 97% | | %REC | 70-130 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 0.51 | 0.19 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 0.51 | 0.24 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Naphthalene | ND | | ug/L | 0.51 | 0.21 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 0.51 | 0.21 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Acenaphthene | ND | | ug/L | 0.51 | 0.18 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Fluorene | ND | | ug/L | 0.51 | 0.17 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Phenanthrene | ND | | ug/L | 0.51 | 0.19 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Anthracene | ND | | ug/L | 0.51 | 0.18 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Fluoranthene | ND | | ug/L | 0.51 | 0.18 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Pyrene | ND | | ug/L | 0.51 | 0.17 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 0.51 | 0.15 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Chrysene | ND | | ug/L | 0.51 | 0.16 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 0.51 | 0.16 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 0.51 | 0.17 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 0.51 | 0.13 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.51 | 0.14 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.51 | 0.19 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.51 | 0.20 | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 52% | | %REC | 16-125 | | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| 2-Fluorobiphenyl | 32% | | %REC | 17-120 | | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Terphenyl-d14 | 72% | | %REC | 39-123 | | 1 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 10 | 0.91 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Pyridine | ND | | ug/L | 10 | 3.6 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| N-Nitrosodimethylamine | ND | | ug/L | 10 | 1.2 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Phenol | **1.9** | J | ug/L | 10 | 1.0 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Aniline | ND | | ug/L | 10 | 1.8 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| bis(2-Chloroethyl)ether | ND | | ug/L | 25 | 1.6 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Chlorophenol | ND | | ug/L | 10 | 1.5 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 1,3-Dichlorobenzene | ND | | ug/L | 10 | 1.5 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 1,4-Dichlorobenzene | ND | | ug/L | 10 | 1.6 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzyl alcohol | ND | | ug/L | 11 | 11 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 1,2-Dichlorobenzene | ND | | ug/L | 10 | 1.4 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Methylphenol | ND | | ug/L | 10 | 1.6 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 10 | 1.4 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 1.8 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 10 | 1.7 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Hexachloroethane | ND | | ug/L | 10 | 2.2 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Nitrobenzene | ND | | ug/L | 25 | 12 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Isophorone | ND | | ug/L | 10 | 1.7 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Nitrophenol | ND | | ug/L | 10 | 7.1 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528551

| 528551-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,4-Dimethylphenol | ND | | ug/L | 10 | 5.6 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzoic acid | **13** | J | ug/L | 50 | 12 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 10 | 1.7 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4-Dichlorophenol | ND | | ug/L | 10 | 2.5 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 10 | 1.5 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Naphthalene | ND | | ug/L | 10 | 1.4 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4-Chloroaniline | ND | | ug/L | 10 | 2.2 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Hexachlorobutadiene | ND | | ug/L | 10 | 3.0 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4-Chloro-3-methylphenol | ND | | ug/L | 10 | 2.0 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 10 | 1.7 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Hexachlorocyclopentadiene | ND | | ug/L | 25 | 6.7 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4,6-Trichlorophenol | ND | | ug/L | 10 | 3.3 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4,5-Trichlorophenol | ND | | ug/L | 10 | 3.4 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Chloronaphthalene | ND | | ug/L | 10 | 1.9 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Nitroaniline | ND | | ug/L | 50 | 7.2 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Dimethylphthalate | ND | | ug/L | 10 | 3.0 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Acenaphthylene | ND | | ug/L | 10 | 2.1 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,6-Dinitrotoluene | ND | | ug/L | 10 | 3.1 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 3-Nitroaniline | ND | | ug/L | 10 | 2.3 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Acenaphthene | ND | | ug/L | 10 | 1.6 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4-Dinitrophenol | ND | | ug/L | 50 | 4.7 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4-Nitrophenol | ND | | ug/L | 10 | 4.6 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Dibenzofuran | ND | | ug/L | 10 | 1.7 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4-Dinitrotoluene | ND | | ug/L | 10 | 2.5 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Diethylphthalate | ND | | ug/L | 10 | 2.0 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Fluorene | ND | | ug/L | 10 | 1.7 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 10 | 1.9 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4-Nitroaniline | ND | | ug/L | 10 | 3.7 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 50 | 5.2 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| N-Nitrosodiphenylamine | ND | | ug/L | 10 | 1.6 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 10 | 1.2 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4-Bromophenyl-phenylether | ND | | ug/L | 10 | 2.3 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Hexachlorobenzene | ND | | ug/L | 10 | 2.6 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Pentachlorophenol | ND | | ug/L | 25 | 4.0 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Phenanthrene | ND | | ug/L | 10 | 1.3 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Anthracene | ND | | ug/L | 10 | 1.3 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Di-n-butylphthalate | ND | | ug/L | 10 | 2.0 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Fluoranthene | ND | | ug/L | 10 | 1.2 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzidine | ND | | ug/L | 50 | 8.8 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Pyrene | ND | | ug/L | 10 | 1.2 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Butylbenzylphthalate | ND | | ug/L | 10 | 2.6 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 25 | 3.3 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 10 | 0.81 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Chrysene | ND | | ug/L | 10 | 0.88 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 10 | 3.5 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Di-n-octylphthalate | ND | | ug/L | 10 | 4.8 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 10 | 1.3 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 10 | 1.4 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzo(a)pyrene | ND | | ug/L | 10 | 1.3 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 10 | 2.2 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 10 | 2.1 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 10 | 1.8 | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528551

| 528551-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:Acetophenone | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:Chlorobenzilate | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:Diallate | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:Thionazin | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 28% | | %REC | 10-140 | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Phenol-d6 | 22% | | %REC | 10-140 | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4,6-Tribromophenol | 58% | | %REC | 12-140 | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Nitrobenzene-d5 | 72% | | %REC | 10-140 | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Fluorobiphenyl | 62% | | %REC | 11-140 | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Terphenyl-d14 | 73% | | %REC | 20-140 | | 1 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | **0.0021** | J | mg/L | 0.0050 | 0.0021 | 0.5 | 366177 | 03/17/25 | 03/18/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366053 | 03/15/25 | 03/15/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528551

| Sample ID: | Lab ID: 528551-002 | Collected: 03/11/25 13:00 |
|---|---|---|
| SOUTH BASIN EAST INLET | Matrix: Water | |

| 528551-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Tin | **1.1** | J | ug/L | 5.0 | 0.50 | 1 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Antimony | **1.5** | J,b | ug/L | 2.0 | 0.31 | 1 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Arsenic | **83** | | ug/L | 2.0 | 0.38 | 1 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Barium | **6,800** | | ug/L | 100 | 9.2 | 20 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Beryllium | **20** | | ug/L | 20 | 1.5 | 20 | 365828 | 03/13/25 | 03/14/25 | KAM |
| Cadmium | **21** | | ug/L | 1.0 | 0.095 | 1 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Chromium | **510** | | ug/L | 100 | 4.8 | 20 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Cobalt | **310** | | ug/L | 20 | 2.1 | 20 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Copper | **1,100** | | ug/L | 60 | 14 | 20 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Lead | **840** | | ug/L | 100 | 3.5 | 20 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Nickel | **620** | | ug/L | 100 | 15 | 20 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Selenium | **16** | | ug/L | 2.0 | 1.6 | 1 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Silver | **6.0** | | ug/L | 5.0 | 0.63 | 1 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Thallium | **2.6** | | ug/L | 1.0 | 0.20 | 1 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Vanadium | **630** | | ug/L | 100 | 5.3 | 20 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Zinc | **4,600** | | ug/L | 200 | 150 | 20 | 365828 | 03/13/25 | 03/13/25 | KAM |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | **3.2** | | ug/L | 0.40 | 0.17 | 1 | 365924 | 03/14/25 | 03/14/25 | MLL |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 1 | 366646 | 03/21/25 | 03/21/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 2.0 | 0.7 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| beta-BHC | ND | | ug/L | 2.0 | 1.1 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| gamma-BHC | ND | | ug/L | 2.0 | 0.8 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| delta-BHC | ND | | ug/L | 2.0 | 0.8 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Heptachlor | ND | | ug/L | 2.0 | 0.8 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aldrin | ND | | ug/L | 2.0 | 1.3 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Heptachlor epoxide | ND | | ug/L | 2.0 | 1.0 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endosulfan I | ND | | ug/L | 2.0 | 1.0 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Dieldrin | ND | | ug/L | 4.0 | 1.0 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| 4,4'-DDE | ND | | ug/L | 4.0 | 1.2 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endrin | ND | | ug/L | 4.0 | 1.1 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endosulfan II | ND | | ug/L | 4.0 | 1.1 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endosulfan sulfate | ND | | ug/L | 4.0 | 1.2 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| 4,4'-DDD | ND | | ug/L | 4.0 | 1.0 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endrin aldehyde | ND | | ug/L | 4.0 | 1.6 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Endrin ketone | ND | | ug/L | 4.0 | 1.4 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| 4,4'-DDT | ND | | ug/L | 4.0 | 1.7 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Methoxychlor | ND | | ug/L | 4.0 | 2.1 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Toxaphene | ND | | ug/L | 80 | 18 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Chlordane (Technical) | ND | | ug/L | 40 | 9.8 | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| **Surrogates** | | | | **Limits** | | | | | | |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528551

| 528551-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TCMX | | DO | %REC | 14-120 | | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Decachlorobiphenyl | | DO | %REC | 20-120 | | 40 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 10 | 7.4 | 20 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1221 | ND | | ug/L | 10 | 8.2 | 20 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1232 | ND | | ug/L | 10 | 7.2 | 20 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1242 | ND | | ug/L | 10 | 6.9 | 20 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1248 | ND | | ug/L | 10 | 6.9 | 20 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1254 | ND | | ug/L | 10 | 3.6 | 20 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1260 | ND | | ug/L | 10 | 9.0 | 20 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1262 | ND | | ug/L | 10 | 7.9 | 20 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Aroclor-1268 | ND | | ug/L | 10 | 5.0 | 20 | 365844 | 03/13/25 | 03/14/25 | KLR |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 163% | * | %REC | 18-126 | | 20 | 365844 | 03/13/25 | 03/14/25 | KLR |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.5 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Ethanol | ND | | ug/L | 500 | 320 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 2-Hexanone | **0.8** | J | ug/L | 5.0 | 0.7 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Isopropanol (IPA) | ND | | ug/L | 200 | 73 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 4.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Iodomethane | ND | | ug/L | 7.6 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Acetone | **21** | J | ug/L | 100 | 21 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Methylene Chloride | ND | | ug/L | 10 | 2.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 2-Butanone | **3.0** | J | ug/L | 10 | 1.7 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528551

| 528551-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 4-Methyl-2-Pentanone | **2.1** | J | ug/L | 10 | 1.0 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| TIC: | ND | | | | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 106% | | %REC | 70-130 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| 1,2-Dichloroethane-d4 | 103% | | %REC | 70-130 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |
| Bromofluorobenzene | 98% | | %REC | 70-130 | | 1 | 365630 | 03/12/25 | 03/12/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528551

| 528551-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 2.8 | 1.0 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 2.8 | 1.3 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Naphthalene | ND | | ug/L | 2.8 | 1.1 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 2.8 | 1.2 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Acenaphthene | ND | | ug/L | 2.8 | 0.96 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Fluorene | ND | | ug/L | 2.8 | 0.92 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Phenanthrene | ND | | ug/L | 2.8 | 1.1 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Anthracene | ND | | ug/L | 2.8 | 0.99 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Fluoranthene | ND | | ug/L | 2.8 | 0.97 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Pyrene | ND | | ug/L | 2.8 | 0.92 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 2.8 | 0.83 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Chrysene | ND | | ug/L | 2.8 | 0.90 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 2.8 | 0.90 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 2.8 | 0.91 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 2.8 | 0.70 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 2.8 | 0.78 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 2.8 | 1.0 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 2.8 | 1.1 | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 88% | | %REC | 16-125 | | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| 2-Fluorobiphenyl | 85% | | %REC | 17-120 | | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Terphenyl-d14 | 98% | | %REC | 39-123 | | 5.6 | 365723 | 03/12/25 | 03/13/25 | ZFA |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 120 | 11 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Pyridine | ND | | ug/L | 120 | 42 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| N-Nitrosodimethylamine | ND | | ug/L | 120 | 14 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Phenol | ND | | ug/L | 120 | 12 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Aniline | ND | | ug/L | 120 | 21 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| bis(2-Chloroethyl)ether | ND | | ug/L | 290 | 19 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Chlorophenol | ND | | ug/L | 120 | 18 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 1,3-Dichlorobenzene | ND | | ug/L | 120 | 18 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 1,4-Dichlorobenzene | ND | | ug/L | 120 | 19 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzyl alcohol | ND | | ug/L | 120 | 120 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 1,2-Dichlorobenzene | ND | | ug/L | 120 | 17 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Methylphenol | ND | | ug/L | 120 | 19 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 120 | 17 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 3-,4-Methylphenol | ND | | ug/L | 120 | 21 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 120 | 20 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Hexachloroethane | ND | | ug/L | 120 | 26 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Nitrobenzene | ND | | ug/L | 290 | 140 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Isophorone | ND | | ug/L | 120 | 20 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Nitrophenol | ND | | ug/L | 120 | 84 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4-Dimethylphenol | ND | | ug/L | 120 | 66 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzoic acid | ND | | ug/L | 590 | 140 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 120 | 20 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4-Dichlorophenol | ND | | ug/L | 120 | 29 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 120 | 18 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Naphthalene | ND | | ug/L | 120 | 17 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528551

| 528551-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Chloroaniline | ND | | ug/L | 120 | 26 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Hexachlorobutadiene | ND | | ug/L | 120 | 35 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4-Chloro-3-methylphenol | ND | | ug/L | 120 | 24 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 120 | 20 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Hexachlorocyclopentadiene | ND | | ug/L | 290 | 79 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4,6-Trichlorophenol | ND | | ug/L | 120 | 39 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4,5-Trichlorophenol | ND | | ug/L | 120 | 40 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Chloronaphthalene | ND | | ug/L | 120 | 22 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Nitroaniline | ND | | ug/L | 590 | 84 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Dimethylphthalate | ND | | ug/L | 120 | 36 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Acenaphthylene | ND | | ug/L | 120 | 25 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,6-Dinitrotoluene | ND | | ug/L | 120 | 37 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 3-Nitroaniline | ND | | ug/L | 120 | 27 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Acenaphthene | ND | | ug/L | 120 | 18 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4-Dinitrophenol | ND | | ug/L | 590 | 56 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4-Nitrophenol | ND | | ug/L | 120 | 54 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Dibenzofuran | ND | | ug/L | 120 | 20 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4-Dinitrotoluene | ND | | ug/L | 120 | 29 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Diethylphthalate | ND | | ug/L | 120 | 24 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Fluorene | ND | | ug/L | 120 | 20 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 120 | 22 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4-Nitroaniline | ND | | ug/L | 120 | 43 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 590 | 61 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| N-Nitrosodiphenylamine | ND | | ug/L | 120 | 19 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 120 | 14 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 4-Bromophenyl-phenylether | ND | | ug/L | 120 | 27 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Hexachlorobenzene | ND | | ug/L | 120 | 31 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Pentachlorophenol | ND | | ug/L | 290 | 46 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Phenanthrene | ND | | ug/L | 120 | 15 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Anthracene | ND | | ug/L | 120 | 15 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Di-n-butylphthalate | ND | | ug/L | 120 | 24 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Fluoranthene | ND | | ug/L | 120 | 15 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzidine | ND | | ug/L | 590 | 100 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Pyrene | ND | | ug/L | 120 | 14 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Butylbenzylphthalate | ND | | ug/L | 120 | 30 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 290 | 38 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 120 | 9.6 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Chrysene | ND | | ug/L | 120 | 10 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 120 | 42 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Di-n-octylphthalate | ND | | ug/L | 120 | 56 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 120 | 16 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 120 | 16 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzo(a)pyrene | ND | | ug/L | 120 | 16 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 120 | 25 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 120 | 25 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 120 | 21 | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:Acetophenone | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528551

| 528551-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:Chlorobenzilate | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:Diallate | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:Thionazin | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 33% | | %REC | 10-140 | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Phenol-d6 | 27% | | %REC | 10-140 | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2,4,6-Tribromophenol | 52% | | %REC | 12-140 | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Nitrobenzene-d5 | 50% | | %REC | 10-140 | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| 2-Fluorobiphenyl | 46% | | %REC | 11-140 | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Terphenyl-d14 | 52% | | %REC | 20-140 | | 12 | 365636 | 03/12/25 | 03/12/25 | XLY |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | **0.0052** | | mg/L | 0.0050 | 0.0021 | 0.5 | 366177 | 03/17/25 | 03/18/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366053 | 03/15/25 | 03/15/25 | DXA |

* Value is outside QC limits
B Contamination found in associated Method Blank
DO Diluted Out
J Estimated value
ND Not Detected
b See narrative



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type: Blank** | **Lab ID: QC1238054** | **Batch: 365638** |
| **Matrix: Water** | **Method: EPA 200.8** | **Prep Method: EPA 3015A** |

| QC1238054 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Tin | 0.92 | J | ug/L | 5.0 | 0.50 | 03/12/25 | 03/12/25 |
| Antimony | ND | | ug/L | 2.0 | 0.31 | 03/12/25 | 03/12/25 |
| Arsenic | ND | | ug/L | 2.0 | 0.38 | 03/12/25 | 03/12/25 |
| Barium | ND | | ug/L | 5.0 | 0.46 | 03/12/25 | 03/12/25 |
| Beryllium | ND | | ug/L | 1.0 | 0.21 | 03/12/25 | 03/12/25 |
| Cadmium | ND | | ug/L | 1.0 | 0.095 | 03/12/25 | 03/12/25 |
| Chromium | ND | | ug/L | 5.0 | 0.24 | 03/12/25 | 03/12/25 |
| Cobalt | ND | | ug/L | 1.0 | 0.10 | 03/12/25 | 03/12/25 |
| Copper | ND | | ug/L | 3.0 | 0.71 | 03/12/25 | 03/12/25 |
| Lead | ND | | ug/L | 5.0 | 0.18 | 03/12/25 | 03/12/25 |
| Nickel | ND | | ug/L | 5.0 | 0.74 | 03/12/25 | 03/12/25 |
| Selenium | ND | | ug/L | 2.0 | 1.6 | 03/12/25 | 03/12/25 |
| Silver | ND | | ug/L | 5.0 | 0.63 | 03/12/25 | 03/12/25 |
| Thallium | ND | | ug/L | 1.0 | 0.20 | 03/12/25 | 03/12/25 |
| Vanadium | ND | | ug/L | 5.0 | 0.26 | 03/12/25 | 03/12/25 |
| Zinc | ND | | ug/L | 10 | 7.4 | 03/12/25 | 03/12/25 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1238055** | **Batch: 365638** |
| **Matrix: Water** | **Method: EPA 200.8** | **Prep Method: EPA 3015A** |

| QC1238055 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Tin | 98.17 | 100.0 | ug/L | 98% | | 85-115 |
| Antimony | 110.6 | 100.0 | ug/L | 111% | | 85-115 |
| Arsenic | 99.69 | 100.0 | ug/L | 100% | | 85-115 |
| Barium | 94.60 | 100.0 | ug/L | 95% | | 85-115 |
| Beryllium | 97.50 | 100.0 | ug/L | 97% | | 85-115 |
| Cadmium | 96.70 | 100.0 | ug/L | 97% | | 85-115 |
| Chromium | 103.2 | 100.0 | ug/L | 103% | | 85-115 |
| Cobalt | 105.6 | 100.0 | ug/L | 106% | | 85-115 |
| Copper | 104.8 | 100.0 | ug/L | 105% | | 85-115 |
| Lead | 99.57 | 100.0 | ug/L | 100% | | 85-115 |
| Nickel | 104.5 | 100.0 | ug/L | 105% | | 85-115 |
| Selenium | 96.83 | 100.0 | ug/L | 97% | | 85-115 |
| Silver | 47.19 | 50.00 | ug/L | 94% | | 85-115 |
| Thallium | 99.89 | 100.0 | ug/L | 100% | | 85-115 |
| Vanadium | 103.1 | 100.0 | ug/L | 103% | | 85-115 |
| Zinc | 101.4 | 100.0 | ug/L | 101% | | 85-115 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1238056 | Batch: | 365638 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528455-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238056 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 96.83 | ND | 100.0 | ug/L | 97% | | 70-130 | 25 |
| Antimony | 120.6 | 1.262 | 100.0 | ug/L | 119% | | 70-130 | 25 |
| Arsenic | 103.8 | 6.591 | 100.0 | ug/L | 97% | | 70-130 | 25 |
| Barium | 144.5 | 52.47 | 100.0 | ug/L | 92% | | 70-130 | 25 |
| Beryllium | 108.6 | ND | 100.0 | ug/L | 109% | | 70-130 | 25 |
| Cadmium | 92.18 | ND | 100.0 | ug/L | 92% | | 70-130 | 25 |
| Chromium | 108.1 | 3.110 | 100.0 | ug/L | 105% | | 70-130 | 25 |
| Cobalt | 109.2 | 2.437 | 100.0 | ug/L | 107% | | 70-130 | 25 |
| Copper | 112.8 | 3.817 | 100.0 | ug/L | 109% | | 70-130 | 25 |
| Lead | 95.48 | 1.575 | 100.0 | ug/L | 94% | | 70-130 | 25 |
| Nickel | 112.4 | 6.736 | 100.0 | ug/L | 106% | | 70-130 | 25 |
| Selenium | 86.38 | ND | 100.0 | ug/L | 86% | | 70-130 | 25 |
| Silver | 44.53 | ND | 50.00 | ug/L | 89% | | 70-130 | 25 |
| Thallium | 93.03 | ND | 100.0 | ug/L | 93% | | 70-130 | 25 |
| Vanadium | 87.88 | 5.143 | 100.0 | ug/L | 83% | | 70-130 | 25 |
| Zinc | 107.2 | 21.77 | 100.0 | ug/L | | DO | 70-130 | 25 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238057 | Batch: | 365638 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528455-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238057 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 97.33 | ND | 100.0 | ug/L | 97% | | 70-130 | 1 | 20 | 25 |
| Antimony | 114.1 | 1.262 | 100.0 | ug/L | 113% | | 70-130 | 6 | 20 | 25 |
| Arsenic | 101.1 | 6.591 | 100.0 | ug/L | 95% | | 70-130 | 3 | 20 | 25 |
| Barium | 147.3 | 52.47 | 100.0 | ug/L | 95% | | 70-130 | 2 | 20 | 25 |
| Beryllium | 92.98 | ND | 100.0 | ug/L | 93% | | 70-130 | 15 | 20 | 25 |
| Cadmium | 93.93 | ND | 100.0 | ug/L | 94% | | 70-130 | 2 | 20 | 25 |
| Chromium | 110.7 | 3.110 | 100.0 | ug/L | 108% | | 70-130 | 2 | 20 | 25 |
| Cobalt | 110.5 | 2.437 | 100.0 | ug/L | 108% | | 70-130 | 1 | 20 | 25 |
| Copper | 114.7 | 3.817 | 100.0 | ug/L | 111% | | 70-130 | 2 | 20 | 25 |
| Lead | 96.85 | 1.575 | 100.0 | ug/L | 95% | | 70-130 | 1 | 20 | 25 |
| Nickel | 111.7 | 6.736 | 100.0 | ug/L | 105% | | 70-130 | 1 | 20 | 25 |
| Selenium | 86.15 | ND | 100.0 | ug/L | 86% | | 70-130 | 0 | 20 | 25 |
| Silver | 45.68 | ND | 50.00 | ug/L | 91% | | 70-130 | 3 | 20 | 25 |
| Thallium | 93.63 | ND | 100.0 | ug/L | 94% | | 70-130 | 1 | 20 | 25 |
| Vanadium | 92.08 | 5.143 | 100.0 | ug/L | 87% | | 70-130 | 5 | 20 | 25 |
| Zinc | 108.2 | 21.77 | 100.0 | ug/L | | DO | 70-130 | | 20 | 25 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1238059 | Batch: | 365638 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528455-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238059 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 104.4 | 0.8830 | 100.0 | ug/L | 103% | | 70-130 | 25 |
| Antimony | 118.7 | 1.986 | 100.0 | ug/L | 117% | | 70-130 | 25 |
| Arsenic | 105.8 | 8.956 | 100.0 | ug/L | 97% | | 70-130 | 25 |
| Barium | 167.3 | 75.70 | 100.0 | ug/L | 92% | | 70-130 | 25 |
| Beryllium | 100.3 | ND | 100.0 | ug/L | 100% | | 70-130 | 25 |
| Cadmium | 91.48 | ND | 100.0 | ug/L | 91% | | 70-130 | 25 |
| Chromium | 111.6 | 6.218 | 100.0 | ug/L | 105% | | 70-130 | 25 |
| Cobalt | 109.9 | 2.740 | 100.0 | ug/L | 107% | | 70-130 | 25 |
| Copper | 116.8 | 4.286 | 100.0 | ug/L | 113% | | 70-130 | 25 |
| Lead | 101.0 | 1.882 | 100.0 | ug/L | 99% | | 70-130 | 25 |
| Nickel | 118.8 | 8.028 | 100.0 | ug/L | 111% | | 70-130 | 25 |
| Selenium | 83.60 | ND | 100.0 | ug/L | 84% | | 70-130 | 25 |
| Silver | 45.93 | ND | 50.00 | ug/L | 92% | | 70-130 | 25 |
| Thallium | 97.53 | ND | 100.0 | ug/L | 98% | | 70-130 | 25 |
| Vanadium | 87.90 | 5.618 | 100.0 | ug/L | 82% | | 70-130 | 25 |
| Zinc | 161.3 | 65.37 | 100.0 | ug/L | | DO | 70-130 | 25 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238060 | Batch: | 365638 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528455-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238060 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 100.7 | 0.8830 | 100.0 | ug/L | 100% | | 70-130 | 4 | 20 | 25 |
| Antimony | 111.4 | 1.986 | 100.0 | ug/L | 109% | | 70-130 | 6 | 20 | 25 |
| Arsenic | 103.8 | 8.956 | 100.0 | ug/L | 95% | | 70-130 | 2 | 20 | 25 |
| Barium | 160.0 | 75.70 | 100.0 | ug/L | 84% | | 70-130 | 4 | 20 | 25 |
| Beryllium | 103.4 | ND | 100.0 | ug/L | 103% | | 70-130 | 3 | 20 | 25 |
| Cadmium | 89.43 | ND | 100.0 | ug/L | 89% | | 70-130 | 2 | 20 | 25 |
| Chromium | 112.7 | 6.218 | 100.0 | ug/L | 107% | | 70-130 | 1 | 20 | 25 |
| Cobalt | 110.4 | 2.740 | 100.0 | ug/L | 108% | | 70-130 | 0 | 20 | 25 |
| Copper | 109.8 | 4.286 | 100.0 | ug/L | 106% | | 70-130 | 6 | 20 | 25 |
| Lead | 97.50 | 1.882 | 100.0 | ug/L | 96% | | 70-130 | 3 | 20 | 25 |
| Nickel | 109.8 | 8.028 | 100.0 | ug/L | 102% | | 70-130 | 8 | 20 | 25 |
| Selenium | 76.53 | ND | 100.0 | ug/L | 77% | | 70-130 | 9 | 20 | 25 |
| Silver | 43.98 | ND | 50.00 | ug/L | 88% | | 70-130 | 4 | 20 | 25 |
| Thallium | 94.08 | ND | 100.0 | ug/L | 94% | | 70-130 | 4 | 20 | 25 |
| Vanadium | 89.28 | 5.618 | 100.0 | ug/L | 84% | | 70-130 | 2 | 20 | 25 |
| Zinc | 153.7 | 65.37 | 100.0 | ug/L | | DO | 70-130 | | 20 | 25 |

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# Batch QC

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1238639 | **Batch:** 365828 |
| **Matrix:** Water | **Method:** EPA 200.8 | **Prep Method:** EPA 3015A |

| QC1238639 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Tin | ND | | ug/L | 5.0 | 0.50 | 03/13/25 | 03/13/25 |
| Antimony | ND | | ug/L | 2.0 | 0.31 | 03/13/25 | 03/13/25 |
| Arsenic | ND | | ug/L | 2.0 | 0.38 | 03/13/25 | 03/13/25 |
| Barium | ND | | ug/L | 5.0 | 0.46 | 03/13/25 | 03/13/25 |
| Beryllium | ND | | ug/L | 1.0 | 0.21 | 03/13/25 | 03/13/25 |
| Cadmium | ND | | ug/L | 1.0 | 0.095 | 03/13/25 | 03/13/25 |
| Chromium | ND | | ug/L | 5.0 | 0.24 | 03/13/25 | 03/13/25 |
| Cobalt | ND | | ug/L | 1.0 | 0.10 | 03/13/25 | 03/13/25 |
| Copper | ND | | ug/L | 3.0 | 0.71 | 03/13/25 | 03/13/25 |
| Lead | ND | | ug/L | 5.0 | 0.18 | 03/13/25 | 03/13/25 |
| Nickel | ND | | ug/L | 5.0 | 0.74 | 03/13/25 | 03/13/25 |
| Selenium | ND | | ug/L | 2.0 | 1.6 | 03/13/25 | 03/13/25 |
| Silver | ND | | ug/L | 5.0 | 0.63 | 03/13/25 | 03/13/25 |
| Thallium | ND | | ug/L | 1.0 | 0.20 | 03/13/25 | 03/13/25 |
| Vanadium | ND | | ug/L | 5.0 | 0.26 | 03/13/25 | 03/13/25 |
| Zinc | ND | | ug/L | 10 | 7.4 | 03/13/25 | 03/13/25 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1238640 | **Batch:** 365828 |
| **Matrix:** Water | **Method:** EPA 200.8 | **Prep Method:** EPA 3015A |

| QC1238640 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Tin | 91.51 | 100.0 | ug/L | 92% | | 85-115 |
| Antimony | 127.8 | 100.0 | ug/L | 128% | * | 85-115 |
| Arsenic | 97.39 | 100.0 | ug/L | 97% | | 85-115 |
| Barium | 99.01 | 100.0 | ug/L | 99% | | 85-115 |
| Beryllium | 111.6 | 100.0 | ug/L | 112% | | 85-115 |
| Cadmium | 99.16 | 100.0 | ug/L | 99% | | 85-115 |
| Chromium | 99.02 | 100.0 | ug/L | 99% | | 85-115 |
| Cobalt | 104.7 | 100.0 | ug/L | 105% | | 85-115 |
| Copper | 100.9 | 100.0 | ug/L | 101% | | 85-115 |
| Lead | 96.81 | 100.0 | ug/L | 97% | | 85-115 |
| Nickel | 102.8 | 100.0 | ug/L | 103% | | 85-115 |
| Selenium | 94.08 | 100.0 | ug/L | 94% | | 85-115 |
| Silver | 49.31 | 50.00 | ug/L | 99% | | 85-115 |
| Thallium | 97.15 | 100.0 | ug/L | 97% | | 85-115 |
| Vanadium | 98.69 | 100.0 | ug/L | 99% | | 85-115 |
| Zinc | 100.5 | 100.0 | ug/L | 100% | | 85-115 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1238641 | Batch: | 365828 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528678-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238641 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 93.71 | ND | 100.0 | ug/L | 94% | | 70-130 | 10 |
| Antimony | 103.9 | ND | 100.0 | ug/L | 104% | b | 70-130 | 10 |
| Arsenic | 97.21 | ND | 100.0 | ug/L | 97% | | 70-130 | 10 |
| Barium | 104.2 | 7.040 | 100.0 | ug/L | 97% | | 70-130 | 10 |
| Beryllium | 116.3 | ND | 100.0 | ug/L | 116% | | 70-130 | 10 |
| Cadmium | 95.55 | ND | 100.0 | ug/L | 96% | | 70-130 | 10 |
| Chromium | 99.27 | ND | 100.0 | ug/L | 99% | | 70-130 | 10 |
| Cobalt | 106.1 | ND | 100.0 | ug/L | 106% | | 70-130 | 10 |
| Copper | 110.0 | 9.539 | 100.0 | ug/L | 100% | | 70-130 | 10 |
| Lead | 97.81 | ND | 100.0 | ug/L | 98% | | 70-130 | 10 |
| Nickel | 106.5 | ND | 100.0 | ug/L | 106% | | 70-130 | 10 |
| Selenium | 99.81 | ND | 100.0 | ug/L | 100% | | 70-130 | 10 |
| Silver | 48.86 | ND | 50.00 | ug/L | 98% | | 70-130 | 10 |
| Thallium | 97.42 | ND | 100.0 | ug/L | 97% | | 70-130 | 10 |
| Vanadium | 81.72 | ND | 100.0 | ug/L | 82% | | 70-130 | 10 |
| Zinc | 277.2 | 184.3 | 100.0 | ug/L | 93% | | 70-130 | 10 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238642 | Batch: | 365828 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528678-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1238642 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 96.41 | ND | 100.0 | ug/L | 96% | | 70-130 | 3 | 20 | 10 |
| Antimony | 106.2 | ND | 100.0 | ug/L | 106% | b | 70-130 | 2 | 20 | 10 |
| Arsenic | 100.8 | ND | 100.0 | ug/L | 101% | | 70-130 | 4 | 20 | 10 |
| Barium | 105.4 | 7.040 | 100.0 | ug/L | 98% | | 70-130 | 1 | 20 | 10 |
| Beryllium | 110.3 | ND | 100.0 | ug/L | 110% | | 70-130 | 5 | 20 | 10 |
| Cadmium | 98.74 | ND | 100.0 | ug/L | 99% | | 70-130 | 3 | 20 | 10 |
| Chromium | 104.8 | ND | 100.0 | ug/L | 105% | | 70-130 | 5 | 20 | 10 |
| Cobalt | 110.7 | ND | 100.0 | ug/L | 111% | | 70-130 | 4 | 20 | 10 |
| Copper | 117.0 | 9.539 | 100.0 | ug/L | 107% | | 70-130 | 6 | 20 | 10 |
| Lead | 98.04 | ND | 100.0 | ug/L | 98% | | 70-130 | 0 | 20 | 10 |
| Nickel | 111.0 | ND | 100.0 | ug/L | 111% | | 70-130 | 4 | 20 | 10 |
| Selenium | 104.1 | ND | 100.0 | ug/L | 104% | | 70-130 | 4 | 20 | 10 |
| Silver | 48.46 | ND | 50.00 | ug/L | 97% | | 70-130 | 1 | 20 | 10 |
| Thallium | 96.87 | ND | 100.0 | ug/L | 97% | | 70-130 | 1 | 20 | 10 |
| Vanadium | 87.01 | ND | 100.0 | ug/L | 87% | | 70-130 | 6 | 20 | 10 |
| Zinc | 285.2 | 184.3 | 100.0 | ug/L | 101% | | 70-130 | 3 | 20 | 10 |

| Type: | Blank | Lab ID: | QC1238095 | Batch: | 365649 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1238095 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.032 | 03/12/25 | 03/12/25 |

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# Batch QC

| Type: | Lab Control Sample | Lab ID: | QC1238096 | Batch: | 365649 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1238096 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 4.982 | 5.000 | ug/L | 100% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1238097 | Batch: | 365649 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528217-001) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1238097 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 4.248 | ND | 5.000 | ug/L | 85% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238098 | Batch: | 365649 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528217-001) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1238098 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.210 | ND | 5.000 | ug/L | 84% | | 75-125 | 1 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1238099 | Batch: | 365649 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528454-001) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1238099 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 4.715 | 0.1082 | 5.000 | ug/L | 92% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238100 | Batch: | 365649 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528454-001) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1238100 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.522 | 0.1082 | 5.000 | ug/L | 88% | | 75-125 | 4 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1239015 | Batch: | 365924 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1239015 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.17 | 03/14/25 | 03/14/25 |

| Type: | Lab Control Sample | Lab ID: | QC1239016 | Batch: | 365924 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1239016 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 4.690 | 5.000 | ug/L | 94% | | 85-115 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1239017** | **Batch:** | **365924** |
| **Matrix (Source ID):** | **Filtrate (528740-001)** | **Method:** | **EPA 245.1** | **Prep Method:** | **EPA 245.1** |

| QC1239017 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 4.451 | ND | 5.000 | ug/L | 89% | | 75-125 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1239018** | **Batch:** | **365924** |
| **Matrix (Source ID):** | **Filtrate (528740-001)** | **Method:** | **EPA 245.1** | **Prep Method:** | **EPA 245.1** |

| QC1239018 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 4.539 | ND | 5.000 | ug/L | 91% | | 75-125 | 2 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1241440** | **Batch:** | **366646** |
| **Matrix:** | **Water** | **Method:** | **EPA 420.1** | **Prep Method:** | **METHOD** |

| QC1241440 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 03/21/25 | 03/21/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1241441** | **Batch:** | **366646** |
| **Matrix:** | **Water** | **Method:** | **EPA 420.1** | **Prep Method:** | **METHOD** |

| QC1241441 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Phenolics | 0.07000 | 0.08000 | mg/L | 88% | | 80-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1241442** | **Batch:** | **366646** |
| **Matrix:** | **Water** | **Method:** | **EPA 420.1** | **Prep Method:** | **METHOD** |

| QC1241442 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Phenolics | 0.07500 | 0.08000 | mg/L | 94% | | 80-120 | 7 | 20 |

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# Batch QC

| Type: Blank | Lab ID: QC1238703 | Batch: 365844 |
|---|---|---|
| Matrix: Water | | |

| QC1238703 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| beta-BHC | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| Heptachlor | ND | | ug/L | 0.05 | 0.01 | 03/13/25 | 03/14/25 |
| Aldrin | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| Endosulfan I | ND | | ug/L | 0.05 | 0.02 | 03/13/25 | 03/14/25 |
| Dieldrin | ND | | ug/L | 0.1 | 0.01 | 03/13/25 | 03/14/25 |
| 4,4'-DDE | ND | | ug/L | 0.1 | 0.02 | 03/13/25 | 03/14/25 |
| Endrin | ND | | ug/L | 0.1 | 0.02 | 03/13/25 | 03/14/25 |
| Endosulfan II | ND | | ug/L | 0.1 | 0.02 | 03/13/25 | 03/14/25 |
| Endosulfan sulfate | ND | | ug/L | 0.1 | 0.02 | 03/13/25 | 03/14/25 |
| 4,4'-DDD | ND | | ug/L | 0.1 | 0.02 | 03/13/25 | 03/14/25 |
| Endrin aldehyde | ND | | ug/L | 0.1 | 0.03 | 03/13/25 | 03/14/25 |
| Endrin ketone | ND | | ug/L | 0.1 | 0.03 | 03/13/25 | 03/14/25 |
| 4,4'-DDT | ND | | ug/L | 0.1 | 0.04 | 03/13/25 | 03/14/25 |
| Methoxychlor | ND | | ug/L | 0.1 | 0.06 | 03/13/25 | 03/14/25 |
| Toxaphene | ND | | ug/L | 2.0 | 0.8 | 03/13/25 | 03/14/25 |
| Chlordane (Technical) | ND | | ug/L | 1.0 | 0.3 | 03/13/25 | 03/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| TCMX | 80% | | %REC | 14-120 | | 03/13/25 | 03/14/25 |
| Decachlorobiphenyl | 104% | | %REC | 20-120 | | 03/13/25 | 03/14/25 |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.50 | 0.37 | 03/13/25 | 03/14/25 |
| Aroclor-1221 | ND | | ug/L | 0.50 | 0.41 | 03/13/25 | 03/14/25 |
| Aroclor-1232 | ND | | ug/L | 0.50 | 0.36 | 03/13/25 | 03/14/25 |
| Aroclor-1242 | ND | | ug/L | 0.50 | 0.35 | 03/13/25 | 03/14/25 |
| Aroclor-1248 | ND | | ug/L | 0.50 | 0.34 | 03/13/25 | 03/14/25 |
| Aroclor-1254 | ND | | ug/L | 0.50 | 0.18 | 03/13/25 | 03/14/25 |
| Aroclor-1260 | ND | | ug/L | 0.50 | 0.45 | 03/13/25 | 03/14/25 |
| Aroclor-1262 | ND | | ug/L | 0.50 | 0.39 | 03/13/25 | 03/14/25 |
| Aroclor-1268 | ND | | ug/L | 0.50 | 0.25 | 03/13/25 | 03/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| Decachlorobiphenyl (PCB) | 107% | | %REC | 18-126 | | 03/13/25 | 03/14/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238704** | **Batch:** | **365844** |
| **Matrix:** | **Water** | **Method:** | **EPA 8081A** | **Prep Method:** | **EPA 3510C** |

| QC1238704 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| alpha-BHC | 0.5588 | 0.5000 | ug/L | 112% | | 53-120 |
| beta-BHC | 0.5936 | 0.5000 | ug/L | 119% | | 59-120 |
| gamma-BHC | 0.5737 | 0.5000 | ug/L | 115% | | 54-120 |
| delta-BHC | 0.5962 | 0.5000 | ug/L | 119% | | 58-120 |
| Heptachlor | 0.5112 | 0.5000 | ug/L | 102% | | 49-120 |
| Aldrin | 0.4852 | 0.5000 | ug/L | 97% | | 47-120 |
| Heptachlor epoxide | 0.5215 | 0.5000 | ug/L | 104% | | 53-120 |
| Endosulfan I | 0.5354 | 0.5000 | ug/L | 107% | | 56-120 |
| Dieldrin | 0.5093 | 0.5000 | ug/L | 102% | | 55-120 |
| 4,4'-DDE | 0.5578 | 0.5000 | ug/L | 112% | | 55-120 |
| Endrin | 0.5529 | 0.5000 | ug/L | 111% | | 57-120 |
| Endosulfan II | 0.5385 | 0.5000 | ug/L | 108% | | 58-120 |
| Endosulfan sulfate | 0.5516 | 0.5000 | ug/L | 110% | | 56-120 |
| 4,4'-DDD | 0.5316 | 0.5000 | ug/L | 106% | | 53-120 |
| Endrin aldehyde | 0.5188 | 0.5000 | ug/L | 104% | | 45-120 |
| Endrin ketone | 0.5776 | 0.5000 | ug/L | 116% | | 61-120 |
| 4,4'-DDT | 0.5493 | 0.5000 | ug/L | 110% | | 58-120 |
| Methoxychlor | 0.5991 | 0.5000 | ug/L | 120% | | 54-120 |
| **Surrogates** | | | | | | |
| TCMX | 0.4216 | 0.5000 | ug/L | 84% | | 14-120 |
| Decachlorobiphenyl | 0.5196 | 0.5000 | ug/L | 104% | | 20-120 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1238705** | **Batch:** | **365844** |
| **Matrix:** | **Water** | **Method:** | **EPA 8081A** | **Prep Method:** | **EPA 3510C** |

| QC1238705 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | 0.5092 | 0.5000 | ug/L | 102% | | 53-120 | 9 | 20 |
| beta-BHC | 0.5386 | 0.5000 | ug/L | 108% | | 59-120 | 10 | 20 |
| gamma-BHC | 0.5204 | 0.5000 | ug/L | 104% | | 54-120 | 10 | 20 |
| delta-BHC | 0.5447 | 0.5000 | ug/L | 109% | | 58-120 | 9 | 20 |
| Heptachlor | 0.4701 | 0.5000 | ug/L | 94% | | 49-120 | 8 | 20 |
| Aldrin | 0.4501 | 0.5000 | ug/L | 90% | | 47-120 | 8 | 20 |
| Heptachlor epoxide | 0.4779 | 0.5000 | ug/L | 96% | | 53-120 | 9 | 20 |
| Endosulfan I | 0.4905 | 0.5000 | ug/L | 98% | | 56-120 | 9 | 20 |
| Dieldrin | 0.4657 | 0.5000 | ug/L | 93% | | 55-120 | 9 | 20 |
| 4,4'-DDE | 0.5109 | 0.5000 | ug/L | 102% | | 55-120 | 9 | 20 |
| Endrin | 0.5052 | 0.5000 | ug/L | 101% | | 57-120 | 9 | 20 |
| Endosulfan II | 0.5010 | 0.5000 | ug/L | 100% | | 58-120 | 7 | 20 |
| Endosulfan sulfate | 0.5076 | 0.5000 | ug/L | 102% | | 56-120 | 8 | 20 |
| 4,4'-DDD | 0.4947 | 0.5000 | ug/L | 99% | | 53-120 | 7 | 20 |
| Endrin aldehyde | 0.4763 | 0.5000 | ug/L | 95% | | 45-120 | 9 | 20 |
| Endrin ketone | 0.5313 | 0.5000 | ug/L | 106% | | 61-120 | 8 | 20 |
| 4,4'-DDT | 0.5099 | 0.5000 | ug/L | 102% | | 58-120 | 7 | 20 |
| Methoxychlor | 0.5594 | 0.5000 | ug/L | 112% | | 54-120 | 7 | 20 |
| **Surrogates** | | | | | | | | |
| TCMX | 0.4005 | 0.5000 | ug/L | 80% | | 14-120 | | |
| Decachlorobiphenyl | 0.4854 | 0.5000 | ug/L | 97% | | 20-120 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1238706** | **Batch:** | **365844** |
| **Matrix:** | **TCLP Leachate** | **Method:** | **EPA 8081A** | **Prep Method:** | **EPA 3510C** |

| QC1238706 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| alpha-BHC | ND | | ug/L | 0.10 | 0.041 | 03/13/25 | 03/14/25 |
| beta-BHC | ND | | ug/L | 0.10 | 0.041 | 03/13/25 | 03/14/25 |
| gamma-BHC | ND | | ug/L | 0.10 | 0.035 | 03/13/25 | 03/14/25 |
| delta-BHC | ND | | ug/L | 0.10 | 0.034 | 03/13/25 | 03/14/25 |
| Heptachlor | ND | | ug/L | 0.10 | 0.024 | 03/13/25 | 03/14/25 |
| Aldrin | ND | | ug/L | 0.10 | 0.041 | 03/13/25 | 03/14/25 |
| Heptachlor epoxide | ND | | ug/L | 0.10 | 0.036 | 03/13/25 | 03/14/25 |
| Endosulfan I | ND | | ug/L | 0.10 | 0.038 | 03/13/25 | 03/14/25 |
| Dieldrin | ND | | ug/L | 0.20 | 0.026 | 03/13/25 | 03/14/25 |
| 4,4'-DDE | ND | | ug/L | 0.20 | 0.034 | 03/13/25 | 03/14/25 |
| Endrin | ND | | ug/L | 0.20 | 0.032 | 03/13/25 | 03/14/25 |
| Endosulfan II | ND | | ug/L | 0.20 | 0.044 | 03/13/25 | 03/14/25 |
| Endosulfan sulfate | ND | | ug/L | 0.20 | 0.037 | 03/13/25 | 03/14/25 |
| 4,4'-DDD | ND | | ug/L | 0.20 | 0.049 | 03/13/25 | 03/14/25 |
| Endrin aldehyde | ND | | ug/L | 0.20 | 0.052 | 03/13/25 | 03/14/25 |
| Endrin ketone | ND | | ug/L | 0.20 | 0.051 | 03/13/25 | 03/14/25 |
| 4,4'-DDT | ND | | ug/L | 0.20 | 0.073 | 03/13/25 | 03/14/25 |
| Methoxychlor | ND | | ug/L | 0.20 | 0.13 | 03/13/25 | 03/14/25 |
| Toxaphene | ND | | ug/L | 4.0 | 1.6 | 03/13/25 | 03/14/25 |
| Chlordane (Technical) | ND | | ug/L | 2.0 | 0.52 | 03/13/25 | 03/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| TCMX | 69% | | %REC | 14-120 | | 03/13/25 | 03/14/25 |
| Decachlorobiphenyl | 102% | | %REC | 20-120 | | 03/13/25 | 03/14/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238707** | **Batch:** | **365844** |
| **Matrix:** | **TCLP Leachate** | **Method:** | **EPA 8081A** | **Prep Method:** | **EPA 3510C** |

| QC1238707 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| alpha-BHC | 1.025 | 1.000 | ug/L | 102% | | 53-120 |
| beta-BHC | 1.135 | 1.000 | ug/L | 114% | | 59-120 |
| gamma-BHC | 1.058 | 1.000 | ug/L | 106% | | 54-120 |
| delta-BHC | 1.134 | 1.000 | ug/L | 113% | | 58-120 |
| Heptachlor | 0.9573 | 1.000 | ug/L | 96% | | 49-120 |
| Aldrin | 0.9199 | 1.000 | ug/L | 92% | | 47-120 |
| Heptachlor epoxide | 0.9744 | 1.000 | ug/L | 97% | | 53-120 |
| Endosulfan I | 1.040 | 1.000 | ug/L | 104% | | 56-120 |
| Dieldrin | 0.9646 | 1.000 | ug/L | 96% | | 55-120 |
| 4,4'-DDE | 1.065 | 1.000 | ug/L | 106% | | 55-120 |
| Endrin | 1.075 | 1.000 | ug/L | 107% | | 57-120 |
| Endosulfan II | 1.067 | 1.000 | ug/L | 107% | | 58-120 |
| Endosulfan sulfate | 1.097 | 1.000 | ug/L | 110% | | 56-120 |
| 4,4'-DDD | 1.065 | 1.000 | ug/L | 107% | | 53-120 |
| Endrin aldehyde | 1.041 | 1.000 | ug/L | 104% | | 45-120 |
| Endrin ketone | 1.166 | 1.000 | ug/L | 117% | | 61-120 |
| 4,4'-DDT | 1.093 | 1.000 | ug/L | 109% | | 58-120 |
| Methoxychlor | 1.264 | 1.000 | ug/L | 126% | * | 54-120 |
| **Surrogates** | | | | | | |
| TCMX | 0.7912 | 1.000 | ug/L | 79% | | 14-120 |
| Decachlorobiphenyl | 1.125 | 1.000 | ug/L | 112% | | 20-120 |

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# Batch QC

| Type: | Sample Spike | Lab ID: | QC1238708 | Batch: | 365844 |
|---|---|---|---|---|---|
| Matrix (Source ID): | TCLP Leachate (527850-001) | Method: | EPA 8081A | Prep Method: | EPA 3510C |

| QC1238708 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | 1.073 | ND | 1.000 | ug/L | 107% | | 43-130 | 2 |
| beta-BHC | 1.183 | ND | 1.000 | ug/L | 118% | | 49-130 | 2 |
| gamma-BHC | 1.106 | ND | 1.000 | ug/L | 111% | | 44-130 | 2 |
| delta-BHC | 1.191 | ND | 1.000 | ug/L | 119% | | 48-130 | 2 |
| Heptachlor | 0.9991 | ND | 1.000 | ug/L | 100% | | 39-130 | 2 |
| Aldrin | 0.9795 | ND | 1.000 | ug/L | 98% | | 37-130 | 2 |
| Heptachlor epoxide | 1.037 | ND | 1.000 | ug/L | 104% | | 43-130 | 2 |
| Endosulfan I | 1.061 | ND | 1.000 | ug/L | 106% | | 46-130 | 2 |
| Dieldrin | 1.010 | ND | 1.000 | ug/L | 101% | | 45-130 | 2 |
| 4,4'-DDE | 1.104 | ND | 1.000 | ug/L | 110% | | 45-130 | 2 |
| Endrin | 1.114 | ND | 1.000 | ug/L | 111% | | 47-130 | 2 |
| Endosulfan II | 1.091 | ND | 1.000 | ug/L | 109% | | 48-130 | 2 |
| Endosulfan sulfate | 1.112 | ND | 1.000 | ug/L | 111% | | 46-130 | 2 |
| 4,4'-DDD | 1.063 | ND | 1.000 | ug/L | 106% | | 43-130 | 2 |
| Endrin aldehyde | 1.054 | ND | 1.000 | ug/L | 105% | | 35-130 | 2 |
| Endrin ketone | 1.165 | ND | 1.000 | ug/L | 117% | | 51-130 | 2 |
| 4,4'-DDT | 1.109 | ND | 1.000 | ug/L | 111% | | 48-130 | 2 |
| Methoxychlor | 1.234 | ND | 1.000 | ug/L | 123% | | 44-130 | 2 |
| **Surrogates** | | | | | | | | |
| TCMX | 0.7963 | | 1.000 | ug/L | 80% | | 14-120 | 2 |
| Decachlorobiphenyl | 1.085 | | 1.000 | ug/L | 109% | | 20-120 | 2 |

| Type: | Lab Control Sample | Lab ID: | QC1238710 | Batch: | 365844 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1238710 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 5.654 | 5.000 | ug/L | 113% | | 36-143 |
| Aroclor-1260 | 6.222 | 5.000 | ug/L | 124% | | 31-153 |
| **Surrogates** | | | | | | |
| Decachlorobiphenyl (PCB) | 0.5832 | 0.5000 | ug/L | 117% | | 18-126 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1238711 | Batch: | 365844 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1238711 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 5.826 | 5.000 | ug/L | 117% | | 36-143 | 3 | 39 |
| Aroclor-1260 | 6.537 | 5.000 | ug/L | 131% | | 31-153 | 5 | 20 |
| **Surrogates** | | | | | | | | |
| Decachlorobiphenyl (PCB) | 0.6115 | 0.5000 | ug/L | 122% | | 18-126 | | |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1238017 | Batch: 365630 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1238017 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 56.05 | 50.00 | ug/L | 112% | | 70-135 |
| MTBE | 44.50 | 50.00 | ug/L | 89% | | 70-130 |
| Benzene | 49.89 | 50.00 | ug/L | 100% | | 70-130 |
| Trichloroethene | 52.01 | 50.00 | ug/L | 104% | | 70-130 |
| Toluene | 50.08 | 50.00 | ug/L | 100% | | 70-130 |
| Chlorobenzene | 49.82 | 50.00 | ug/L | 100% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 54.24 | 50.00 | ug/L | 108% | | 70-130 |
| 1,2-Dichloroethane-d4 | 49.96 | 50.00 | ug/L | 100% | | 70-130 |
| Toluene-d8 | 49.36 | 50.00 | ug/L | 99% | | 70-130 |
| Bromofluorobenzene | 50.79 | 50.00 | ug/L | 102% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1238018 | Batch: 365630 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1238018 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 53.43 | 50.00 | ug/L | 107% | | 70-135 | 5 | 30 |
| MTBE | 44.68 | 50.00 | ug/L | 89% | | 70-130 | 0 | 30 |
| Benzene | 48.63 | 50.00 | ug/L | 97% | | 70-130 | 3 | 30 |
| Trichloroethene | 49.72 | 50.00 | ug/L | 99% | | 70-130 | 4 | 30 |
| Toluene | 48.41 | 50.00 | ug/L | 97% | | 70-130 | 3 | 30 |
| Chlorobenzene | 48.46 | 50.00 | ug/L | 97% | | 70-130 | 3 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 54.35 | 50.00 | ug/L | 109% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 51.36 | 50.00 | ug/L | 103% | | 70-130 | | |
| Toluene-d8 | 49.11 | 50.00 | ug/L | 98% | | 70-130 | | |
| Bromofluorobenzene | 50.93 | 50.00 | ug/L | 102% | | 70-130 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1238022** | **Batch:** | **365630** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1238022 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.4 | 03/12/25 | 03/12/25 |
| Chloroprene | ND | | ug/L | 200 | 0.3 | 03/12/25 | 03/12/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.5 | 03/12/25 | 03/12/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.5 | 03/12/25 | 03/12/25 |
| Ethanol | ND | | ug/L | 500 | 320 | 03/12/25 | 03/12/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.7 | 03/12/25 | 03/12/25 |
| Isopropanol (IPA) | ND | | ug/L | 200 | 73 | 03/12/25 | 03/12/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.3 | 03/12/25 | 03/12/25 |
| Vinyl Acetate | ND | | ug/L | 50 | 4.3 | 03/12/25 | 03/12/25 |
| Acrolein | ND | | ug/L | 200 | 2.2 | 03/12/25 | 03/12/25 |
| Acrylonitrile | ND | | ug/L | 10 | 0.3 | 03/12/25 | 03/12/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.3 | 03/12/25 | 03/12/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.4 | 03/12/25 | 03/12/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 03/12/25 | 03/12/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.08 | 03/12/25 | 03/12/25 |
| Iodomethane | ND | | ug/L | 7.6 | | 03/12/25 | 03/12/25 |
| Acetone | ND | | ug/L | 100 | 21 | 03/12/25 | 03/12/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.08 | 03/12/25 | 03/12/25 |
| Methylene Chloride | ND | | ug/L | 10 | 2.4 | 03/12/25 | 03/12/25 |
| MTBE | ND | | ug/L | 5.0 | 0.09 | 03/12/25 | 03/12/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.09 | 03/12/25 | 03/12/25 |
| 2-Butanone | ND | | ug/L | 10 | 1.7 | 03/12/25 | 03/12/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.08 | 03/12/25 | 03/12/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 03/12/25 | 03/12/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.08 | 03/12/25 | 03/12/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 1.0 | 03/12/25 | 03/12/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.06 | 03/12/25 | 03/12/25 |
| Toluene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.09 | 03/12/25 | 03/12/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |

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# Batch QC

| QC1238022 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.07 | 03/12/25 | 03/12/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.09 | 03/12/25 | 03/12/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Styrene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/12/25 | 03/12/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.4 | 03/12/25 | 03/12/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/12/25 | 03/12/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.3 | 03/12/25 | 03/12/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 03/12/25 | 03/12/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.4 | 03/12/25 | 03/12/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 03/12/25 | 03/12/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 03/12/25 | 03/12/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.4 | 03/12/25 | 03/12/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.3 | 03/12/25 | 03/12/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/12/25 | 03/12/25 |
| TIC: | ND | | | | | 03/12/25 | 03/12/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 105% | | %REC | 70-130 | | 03/12/25 | 03/12/25 |
| 1,2-Dichloroethane-d4 | 102% | | %REC | 70-130 | | 03/12/25 | 03/12/25 |
| Toluene-d8 | 98% | | %REC | 70-130 | | 03/12/25 | 03/12/25 |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 03/12/25 | 03/12/25 |

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1238088 | Batch: | 365630 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528068-005) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1238088 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 26.38 | 3.900 | 20.00 | ug/L | 112% | | 70-130 | 1 |
| MTBE | 17.56 | ND | 20.00 | ug/L | 88% | | 75-130 | 1 |
| Benzene | 20.01 | ND | 20.00 | ug/L | 100% | | 70-130 | 1 |
| Trichloroethene | 22.08 | 1.082 | 20.00 | ug/L | 105% | | 63-130 | 1 |
| Toluene | 19.95 | ND | 20.00 | ug/L | 100% | | 70-130 | 1 |
| Chlorobenzene | 19.72 | ND | 20.00 | ug/L | 99% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.89 | | 50.00 | ug/L | 106% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 50.31 | | 50.00 | ug/L | 101% | | 70-130 | 1 |
| Toluene-d8 | 48.63 | | 50.00 | ug/L | 97% | | 70-130 | 1 |
| Bromofluorobenzene | 49.75 | | 50.00 | ug/L | 100% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1238089 | Batch: | 365630 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528068-005) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1238089 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 24.56 | 3.900 | 20.00 | ug/L | 103% | | 70-130 | 7 | 30 | 1 |
| MTBE | 17.76 | ND | 20.00 | ug/L | 89% | | 75-130 | 1 | 30 | 1 |
| Benzene | 18.91 | ND | 20.00 | ug/L | 95% | | 70-130 | 6 | 30 | 1 |
| Trichloroethene | 20.26 | 1.082 | 20.00 | ug/L | 96% | | 63-130 | 9 | 30 | 1 |
| Toluene | 18.90 | ND | 20.00 | ug/L | 94% | | 70-130 | 5 | 30 | 1 |
| Chlorobenzene | 19.05 | ND | 20.00 | ug/L | 95% | | 70-130 | 3 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 53.27 | | 50.00 | ug/L | 107% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 52.07 | | 50.00 | ug/L | 104% | | 70-130 | | | 1 |
| Toluene-d8 | 48.86 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Bromofluorobenzene | 49.46 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1238046 | Batch: 365636 |
|---|---|---|
| Matrix: Water | Method: EPA 8270C | Prep Method: EPA 3510C |

| QC1238046 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbazole | ND | | ug/L | 10 | 0.91 | 03/12/25 | 03/12/25 |
| Pyridine | ND | | ug/L | 10 | 3.6 | 03/12/25 | 03/12/25 |
| N-Nitrosodimethylamine | ND | | ug/L | 10 | 1.2 | 03/12/25 | 03/12/25 |
| Phenol | ND | | ug/L | 10 | 1.0 | 03/12/25 | 03/12/25 |
| Aniline | ND | | ug/L | 10 | 1.8 | 03/12/25 | 03/12/25 |
| bis(2-Chloroethyl)ether | ND | | ug/L | 25 | 1.6 | 03/12/25 | 03/12/25 |
| 2-Chlorophenol | ND | | ug/L | 10 | 1.5 | 03/12/25 | 03/12/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 10 | 1.5 | 03/12/25 | 03/12/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 10 | 1.6 | 03/12/25 | 03/12/25 |
| Benzyl alcohol | ND | | ug/L | 11 | 11 | 03/12/25 | 03/12/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 10 | 1.4 | 03/12/25 | 03/12/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 1.6 | 03/12/25 | 03/12/25 |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 10 | 1.4 | 03/12/25 | 03/12/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 1.8 | 03/12/25 | 03/12/25 |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 10 | 1.7 | 03/12/25 | 03/12/25 |
| Hexachloroethane | ND | | ug/L | 10 | 2.2 | 03/12/25 | 03/12/25 |
| Nitrobenzene | ND | | ug/L | 25 | 12 | 03/12/25 | 03/12/25 |
| Isophorone | ND | | ug/L | 10 | 1.7 | 03/12/25 | 03/12/25 |
| 2-Nitrophenol | ND | | ug/L | 10 | 7.1 | 03/12/25 | 03/12/25 |
| 2,4-Dimethylphenol | ND | | ug/L | 10 | 5.6 | 03/12/25 | 03/12/25 |
| Benzoic acid | ND | | ug/L | 50 | 12 | 03/12/25 | 03/12/25 |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 10 | 1.7 | 03/12/25 | 03/12/25 |
| 2,4-Dichlorophenol | ND | | ug/L | 10 | 2.5 | 03/12/25 | 03/12/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 10 | 1.5 | 03/12/25 | 03/12/25 |
| Naphthalene | ND | | ug/L | 10 | 1.4 | 03/12/25 | 03/12/25 |
| 4-Chloroaniline | ND | | ug/L | 10 | 2.2 | 03/12/25 | 03/12/25 |
| Hexachlorobutadiene | ND | | ug/L | 10 | 3.0 | 03/12/25 | 03/12/25 |
| 4-Chloro-3-methylphenol | ND | | ug/L | 10 | 2.0 | 03/12/25 | 03/12/25 |
| 2-Methylnaphthalene | ND | | ug/L | 10 | 1.7 | 03/12/25 | 03/12/25 |
| Hexachlorocyclopentadiene | ND | | ug/L | 25 | 6.7 | 03/12/25 | 03/12/25 |
| 2,4,6-Trichlorophenol | ND | | ug/L | 10 | 3.3 | 03/12/25 | 03/12/25 |
| 2,4,5-Trichlorophenol | ND | | ug/L | 10 | 3.4 | 03/12/25 | 03/12/25 |
| 2-Chloronaphthalene | ND | | ug/L | 10 | 1.9 | 03/12/25 | 03/12/25 |
| 2-Nitroaniline | ND | | ug/L | 50 | 7.2 | 03/12/25 | 03/12/25 |
| Dimethylphthalate | ND | | ug/L | 10 | 3.0 | 03/12/25 | 03/12/25 |
| Acenaphthylene | ND | | ug/L | 10 | 2.1 | 03/12/25 | 03/12/25 |
| 2,6-Dinitrotoluene | ND | | ug/L | 10 | 3.1 | 03/12/25 | 03/12/25 |
| 3-Nitroaniline | ND | | ug/L | 10 | 2.3 | 03/12/25 | 03/12/25 |
| Acenaphthene | ND | | ug/L | 10 | 1.6 | 03/12/25 | 03/12/25 |
| 2,4-Dinitrophenol | ND | | ug/L | 50 | 4.7 | 03/12/25 | 03/12/25 |
| 4-Nitrophenol | ND | | ug/L | 10 | 4.6 | 03/12/25 | 03/12/25 |
| Dibenzofuran | ND | | ug/L | 10 | 1.7 | 03/12/25 | 03/12/25 |
| 2,4-Dinitrotoluene | ND | | ug/L | 10 | 2.5 | 03/12/25 | 03/12/25 |
| Diethylphthalate | ND | | ug/L | 10 | 2.0 | 03/12/25 | 03/12/25 |
| Fluorene | ND | | ug/L | 10 | 1.7 | 03/12/25 | 03/12/25 |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 10 | 1.9 | 03/12/25 | 03/12/25 |
| 4-Nitroaniline | ND | | ug/L | 10 | 3.7 | 03/12/25 | 03/12/25 |

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# Batch QC

| QC1238046 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 50 | 5.2 | 03/12/25 | 03/12/25 |
| N-Nitrosodiphenylamine | ND | | ug/L | 10 | 1.6 | 03/12/25 | 03/12/25 |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 10 | 1.2 | 03/12/25 | 03/12/25 |
| 4-Bromophenyl-phenylether | ND | | ug/L | 10 | 2.3 | 03/12/25 | 03/12/25 |
| Hexachlorobenzene | ND | | ug/L | 10 | 2.6 | 03/12/25 | 03/12/25 |
| Pentachlorophenol | ND | | ug/L | 25 | 4.0 | 03/12/25 | 03/12/25 |
| Phenanthrene | ND | | ug/L | 10 | 1.3 | 03/12/25 | 03/12/25 |
| Anthracene | ND | | ug/L | 10 | 1.3 | 03/12/25 | 03/12/25 |
| Di-n-butylphthalate | ND | | ug/L | 10 | 2.0 | 03/12/25 | 03/12/25 |
| Fluoranthene | ND | | ug/L | 10 | 1.2 | 03/12/25 | 03/12/25 |
| Benzidine | ND | | ug/L | 50 | 8.8 | 03/12/25 | 03/12/25 |
| Pyrene | ND | | ug/L | 10 | 1.2 | 03/12/25 | 03/12/25 |
| Butylbenzylphthalate | ND | | ug/L | 10 | 2.6 | 03/12/25 | 03/12/25 |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 25 | 3.3 | 03/12/25 | 03/12/25 |
| Benzo(a)anthracene | ND | | ug/L | 10 | 0.81 | 03/12/25 | 03/12/25 |
| Chrysene | ND | | ug/L | 10 | 0.88 | 03/12/25 | 03/12/25 |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 10 | 3.5 | 03/12/25 | 03/12/25 |
| Di-n-octylphthalate | ND | | ug/L | 10 | 4.8 | 03/12/25 | 03/12/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 10 | 1.3 | 03/12/25 | 03/12/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 10 | 1.4 | 03/12/25 | 03/12/25 |
| Benzo(a)pyrene | ND | | ug/L | 10 | 1.3 | 03/12/25 | 03/12/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 10 | 2.2 | 03/12/25 | 03/12/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 10 | 2.1 | 03/12/25 | 03/12/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 10 | 1.8 | 03/12/25 | 03/12/25 |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| TIC:Acetophenone | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| TIC:Chlorobenzilate | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| TIC:Diallate | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| TIC:Thionazin | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 03/12/25 | 03/12/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 38% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |
| Phenol-d6 | 25% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |
| 2,4,6-Tribromophenol | 66% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |
| Nitrobenzene-d5 | 66% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |
| 2-Fluorobiphenyl | 64% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |
| Terphenyl-d14 | 68% | | %REC | 20-140 | | 03/12/25 | 03/12/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238048** | **Batch:** | **365636** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1238048 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 24.63 | 75.00 | ug/L | 33% | | 13-120 |
| 2-Chlorophenol | 50.18 | 75.00 | ug/L | 67% | | 31-120 |
| 1,4-Dichlorobenzene | 46.35 | 75.00 | ug/L | 62% | | 24-120 |
| 3-,4-Methylphenol | 48.91 | 75.00 | ug/L | 65% | | 29-120 |
| N-Nitroso-di-n-propylamine | 64.77 | 75.00 | ug/L | 86% | | 32-120 |
| 2,4-Dimethylphenol | 61.19 | 75.00 | ug/L | 82% | | 25-120 |
| 1,2,4-Trichlorobenzene | 51.35 | 75.00 | ug/L | 68% | | 26-120 |
| 4-Chloro-3-methylphenol | 64.13 | 75.00 | ug/L | 86% | | 39-120 |
| 2,4,5-Trichlorophenol | 62.74 | 75.00 | ug/L | 84% | | 38-120 |
| Acenaphthene | 59.00 | 75.00 | ug/L | 79% | | 33-120 |
| 4-Nitrophenol | 31.19 | 75.00 | ug/L | 42% | | 12-120 |
| 2,4-Dinitrotoluene | 70.92 | 75.00 | ug/L | 95% | | 46-120 |
| Pentachlorophenol | 54.96 | 75.00 | ug/L | 73% | | 37-120 |
| Pyrene | 62.99 | 75.00 | ug/L | 84% | | 47-120 |
| Chrysene | 62.82 | 75.00 | ug/L | 84% | | 48-120 |
| Benzo(b)fluoranthene | 64.98 | 75.00 | ug/L | 87% | | 46-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 17.56 | 40.00 | ug/L | 44% | | 20-140 |
| Phenol-d6 | 12.24 | 40.00 | ug/L | 31% | | 20-140 |
| 2,4,6-Tribromophenol | 32.69 | 40.00 | ug/L | 82% | | 20-140 |
| Nitrobenzene-d5 | 30.02 | 40.00 | ug/L | 75% | | 20-140 |
| 2-Fluorobiphenyl | 29.04 | 40.00 | ug/L | 73% | | 20-140 |
| Terphenyl-d14 | 32.40 | 40.00 | ug/L | 81% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1238049** | **Batch:** | **365636** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1238049 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 25.09 | 75.00 | ug/L | 33% | | 13-120 | 2 | 62 |
| 2-Chlorophenol | 51.58 | 75.00 | ug/L | 69% | | 31-120 | 3 | 62 |
| 1,4-Dichlorobenzene | 47.72 | 75.00 | ug/L | 64% | | 24-120 | 3 | 64 |
| 3-,4-Methylphenol | 49.06 | 75.00 | ug/L | 65% | | 29-120 | 0 | 62 |
| N-Nitroso-di-n-propylamine | 66.64 | 75.00 | ug/L | 89% | | 32-120 | 3 | 65 |
| 2,4-Dimethylphenol | 62.11 | 75.00 | ug/L | 83% | | 25-120 | 1 | 64 |
| 1,2,4-Trichlorobenzene | 52.89 | 75.00 | ug/L | 71% | | 26-120 | 3 | 63 |
| 4-Chloro-3-methylphenol | 64.44 | 75.00 | ug/L | 86% | | 39-120 | 0 | 58 |
| 2,4,5-Trichlorophenol | 65.02 | 75.00 | ug/L | 87% | | 38-120 | 4 | 59 |
| Acenaphthene | 59.44 | 75.00 | ug/L | 79% | | 33-120 | 1 | 52 |
| 4-Nitrophenol | 30.58 | 75.00 | ug/L | 41% | | 12-120 | 2 | 63 |
| 2,4-Dinitrotoluene | 70.78 | 75.00 | ug/L | 94% | | 46-120 | 0 | 41 |
| Pentachlorophenol | 55.53 | 75.00 | ug/L | 74% | | 37-120 | 1 | 42 |
| Pyrene | 63.26 | 75.00 | ug/L | 84% | | 47-120 | 0 | 43 |
| Chrysene | 61.36 | 75.00 | ug/L | 82% | | 48-120 | 2 | 46 |
| Benzo(b)fluoranthene | 63.25 | 75.00 | ug/L | 84% | | 46-120 | 3 | 47 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 18.75 | 40.00 | ug/L | 47% | | 20-140 | | |
| Phenol-d6 | 12.88 | 40.00 | ug/L | 32% | | 20-140 | | |
| 2,4,6-Tribromophenol | 34.21 | 40.00 | ug/L | 86% | | 20-140 | | |
| Nitrobenzene-d5 | 31.53 | 40.00 | ug/L | 79% | | 20-140 | | |
| 2-Fluorobiphenyl | 30.61 | 40.00 | ug/L | 77% | | 20-140 | | |
| Terphenyl-d14 | 33.14 | 40.00 | ug/L | 83% | | 20-140 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1238295 | | **Batch:** 365723 |
| **Matrix:** Water | **Method:** EPA 8270C-SIM | | **Prep Method:** EPA 3510C |

| QC1238295 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | | ug/L | 0.50 | 0.19 | 03/12/25 | 03/13/25 |
| 2-Methylnaphthalene | ND | | ug/L | 0.50 | 0.24 | 03/12/25 | 03/13/25 |
| Naphthalene | ND | | ug/L | 0.50 | 0.20 | 03/12/25 | 03/13/25 |
| Acenaphthylene | ND | | ug/L | 0.50 | 0.21 | 03/12/25 | 03/13/25 |
| Acenaphthene | ND | | ug/L | 0.50 | 0.17 | 03/12/25 | 03/13/25 |
| Fluorene | ND | | ug/L | 0.50 | 0.17 | 03/12/25 | 03/13/25 |
| Phenanthrene | ND | | ug/L | 0.50 | 0.19 | 03/12/25 | 03/13/25 |
| Anthracene | ND | | ug/L | 0.50 | 0.18 | 03/12/25 | 03/13/25 |
| Fluoranthene | ND | | ug/L | 0.50 | 0.17 | 03/12/25 | 03/13/25 |
| Pyrene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(a)anthracene | ND | | ug/L | 0.50 | 0.15 | 03/12/25 | 03/13/25 |
| Chrysene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 03/12/25 | 03/13/25 |
| Benzo(a)pyrene | ND | | ug/L | 0.50 | 0.13 | 03/12/25 | 03/13/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.50 | 0.14 | 03/12/25 | 03/13/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.50 | 0.19 | 03/12/25 | 03/13/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.50 | 0.20 | 03/12/25 | 03/13/25 |
| **Surrogates** | | | | **Limits** | | | |
| Nitrobenzene-d5 | 80% | | %REC | 16-125 | | 03/12/25 | 03/13/25 |
| 2-Fluorobiphenyl | 79% | | %REC | 17-120 | | 03/12/25 | 03/13/25 |
| Terphenyl-d14 | 96% | | %REC | 39-123 | | 03/12/25 | 03/13/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238296** | **Batch:** | **365723** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1238296 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.179 | 4.000 | ug/L | 79% | | 23-120 |
| 2-Methylnaphthalene | 3.094 | 4.000 | ug/L | 77% | | 33-120 |
| Naphthalene | 3.072 | 4.000 | ug/L | 77% | | 38-120 |
| Acenaphthylene | 3.059 | 4.000 | ug/L | 76% | | 37-120 |
| Acenaphthene | 2.980 | 4.000 | ug/L | 74% | | 39-120 |
| Fluorene | 3.136 | 4.000 | ug/L | 78% | | 43-120 |
| Phenanthrene | 3.113 | 4.000 | ug/L | 78% | | 42-120 |
| Anthracene | 3.196 | 4.000 | ug/L | 80% | | 42-120 |
| Fluoranthene | 3.230 | 4.000 | ug/L | 81% | | 48-120 |
| Pyrene | 3.235 | 4.000 | ug/L | 81% | | 44-120 |
| Benzo(a)anthracene | 3.419 | 4.000 | ug/L | 85% | | 51-126 |
| Chrysene | 3.393 | 4.000 | ug/L | 85% | | 47-120 |
| Benzo(b)fluoranthene | 3.207 | 4.000 | ug/L | 80% | | 44-127 |
| Benzo(k)fluoranthene | 3.253 | 4.000 | ug/L | 81% | | 43-127 |
| Benzo(a)pyrene | 3.181 | 4.000 | ug/L | 80% | | 29-124 |
| Indeno(1,2,3-cd)pyrene | 3.666 | 4.000 | ug/L | 92% | | 44-127 |
| Dibenz(a,h)anthracene | 3.744 | 4.000 | ug/L | 94% | | 55-120 |
| Benzo(g,h,i)perylene | 3.715 | 4.000 | ug/L | 93% | | 46-120 |
| **Surrogates** | | | | | | |
| Nitrobenzene-d5 | 3.001 | 4.000 | ug/L | 75% | | 16-125 |
| 2-Fluorobiphenyl | 3.042 | 4.000 | ug/L | 76% | | 17-120 |
| Terphenyl-d14 | 3.532 | 4.000 | ug/L | 88% | | 39-123 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1238297** | **Batch:** | **365723** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1238297 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.347 | 4.000 | ug/L | 84% | | 23-120 | 5 | 20 |
| 2-Methylnaphthalene | 3.263 | 4.000 | ug/L | 82% | | 33-120 | 5 | 20 |
| Naphthalene | 3.236 | 4.000 | ug/L | 81% | | 38-120 | 5 | 20 |
| Acenaphthylene | 3.309 | 4.000 | ug/L | 83% | | 37-120 | 8 | 20 |
| Acenaphthene | 3.141 | 4.000 | ug/L | 79% | | 39-120 | 5 | 20 |
| Fluorene | 3.327 | 4.000 | ug/L | 83% | | 43-120 | 6 | 20 |
| Phenanthrene | 3.185 | 4.000 | ug/L | 80% | | 42-120 | 2 | 20 |
| Anthracene | 3.277 | 4.000 | ug/L | 82% | | 42-120 | 3 | 20 |
| Fluoranthene | 3.226 | 4.000 | ug/L | 81% | | 48-120 | 0 | 20 |
| Pyrene | 3.224 | 4.000 | ug/L | 81% | | 44-120 | 0 | 20 |
| Benzo(a)anthracene | 3.470 | 4.000 | ug/L | 87% | | 51-126 | 1 | 20 |
| Chrysene | 3.473 | 4.000 | ug/L | 87% | | 47-120 | 2 | 20 |
| Benzo(b)fluoranthene | 3.300 | 4.000 | ug/L | 83% | | 44-127 | 3 | 20 |
| Benzo(k)fluoranthene | 3.375 | 4.000 | ug/L | 84% | | 43-127 | 4 | 20 |
| Benzo(a)pyrene | 3.345 | 4.000 | ug/L | 84% | | 29-124 | 5 | 20 |
| Indeno(1,2,3-cd)pyrene | 3.619 | 4.000 | ug/L | 90% | | 44-127 | 1 | 20 |
| Dibenz(a,h)anthracene | 3.687 | 4.000 | ug/L | 92% | | 55-120 | 2 | 20 |
| Benzo(g,h,i)perylene | 3.675 | 4.000 | ug/L | 92% | | 46-120 | 1 | 20 |
| **Surrogates** | | | | | | | | |
| Nitrobenzene-d5 | 3.174 | 4.000 | ug/L | 79% | | 16-125 | | |
| 2-Fluorobiphenyl | 3.247 | 4.000 | ug/L | 81% | | 17-120 | | |
| Terphenyl-d14 | 3.526 | 4.000 | ug/L | 88% | | 39-123 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1239833** | **Batch:** | **366177** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1239833 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 03/17/25 | 03/18/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1239834** | **Batch:** | **366177** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1239834 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Cyanide | 0.1023 | 0.1000 | mg/L | 102% | | 76-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1239835** | **Batch:** | **366177** |
| **Matrix (Source ID):** | **Water (528198-002)** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1239835 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.1039 | ND | 0.1000 | mg/L | 104% | | 65-121 | 0.5 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239836 | Batch: | 366177 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528198-002) | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1239836 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.09892 | ND | 0.1000 | mg/L | 99% | | 65-121 | 5 | 30 | 0.5 |

| Type: | Blank | Lab ID: | QC1239387 | Batch: | 366053 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1239387 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/15/25 | 03/15/25 |

| Type: | Lab Control Sample | Lab ID: | QC1239388 | Batch: | 366053 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1239388 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1239389 | Batch: | 366053 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528520-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1239389 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239390 | Batch: | 366053 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528520-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1239390 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

* Value is outside QC limits
DO Diluted Out
J Estimated value
ND Not Detected
b See narrative

**Laboratory Job Number 528551**

**Subcontracted Products**

**Pace Laboratories**

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 25, 2025

Zach Barker
Enthalpy Analytical
931 W Barkley Ave
Orange, CA 92868

RE: Project: 528551
Pace Project No.: 30765497

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on March 14, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Sophia Baughman, Enthalpy Analytical
Diane Galvan, Enthalpy Analytical
Brenda Hamilton, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical



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**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## SAMPLE SUMMARY

Project: 528551
Pace Project No.: 30765497

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **30765497001** | **SOUTH BASIN WEST INLET** | Water | 03/11/25 12:30 | 03/14/25 14:40 |
| **30765497002** | **SOUTH BASIN EAST INLET** | Water | 03/11/25 13:00 | 03/14/25 14:40 |

**REPORT OF LABORATORY ANALYSIS**

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30765497

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504281

Subcontract Laboratory: 2504281
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528551
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 11-MAR-2025 12:30 | 528551-001 | 1 | Water | Organophosphorus Pesticides | |
| SOUTH BASIN EAST INLET | 11-MAR-2025 13:00 | 528551-002 | 1 | Water | Organophosphorus Pesticides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | D. Whitmore EA-QRA | |
| | Date: 3/12/25 1645 | Date: 3/14/25 1440 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

CHK BY JW ON SUB OUT

PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1

Submission #: 2504281

**SHIPPING INFORMATION**
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☒ NO ☐
(W) / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

**COC Received**
☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 274

Temperature: (A) 3.1 °C / (C) 3.1 °C

Date/Time 3/14/25

Analyst Init JCM 1440

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | A | A | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:_____

Sample Numbering Completed By: JCM Date/Time: 3/15/25 0900

A = Actual / C = Corrected

Date of Report: 03/24/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

| | |
|---|---|
| Client Project: | [none] |
| Pace Project: | Chiquita Canyon Landfill Stormwater |
| Pace Work Order: | 2504281 |
| Invoice ID: | B514110 |

Enclosed are the results of analyses for samples received by the laboratory on 3/15/2025. If you have any questions concerning this report, please feel free to contact me.

Revised Report: This report supersedes Report ID 1001578802

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Steven Bennett
Operations Manager



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*
All results listed in this report are for the exclusive use of the submitting party. Pace Analytical assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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Organo-Phosphorus Pesticide Analysis (EPA Method 8141A) ..... 7

**Quality Control Reports**

**Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)**

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ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

**2504281**

Subcontract Laboratory: 2504281
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528551
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill Stormwater

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 11-MAR-2025 12:30 | 528551-001 | 1 | Water | Organophosphorus Pesticides | |
| SOUTH BASIN EAST INLET | 11-MAR-2025 13:00 | 528551-002 | 1 | Water | Organophosphorus Pesticides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | D. Whitmore EA-ORA | |
| | Date: 3/12/25 1645 | Date: 3/14/25 1440 |
| | Date: | Date: |
| | Date: | Date: |

CHK BY ON
SUB OUT

1 of 1

Pace Analytical®
ENVIRONMENTAL SCIENCES

**Chain of Custody and Cooler Receipt Form for 2504281 Page 2 of 2**

| PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1 |
|---|---|---|
| Submission #: 2504281 | | |

| SHIPPING INFORMATION | SHIPPING CONTAINER | FREE LIQUID |
|---|---|---|
| Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ | Ice Chest ☒ None ☐ Box ☐ | YES ☐ NO ☐ |
| Pace Lab Field Service ☐ Other ☐ (Specify)_____ | Other ☐ (Specify)_____ | (W) / S |

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 274

Temperature: (A) 3.1 °C / (C) 3.1 °C

Date/Time 3/14/25

Analyst Init JCM 1440

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz Cr+6 | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | A | A | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:

Sample Numbering Completed By: JCM Date/Time: 3/15/25 0900

A = Actual / C = Corrected

Rev 23 05/20/22

[S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **2504281-01** | **COC Number:** | --- | **Receive Date:** | 03/15/2025 14:40 |
| | **Project Number:** | --- | **Sampling Date:** | 03/11/2025 12:30 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | South Basin West Inlet | **Lab Matrix:** | Water |
| | **Sampled By:** | Client | **Sample Type:** | Water |
| **2504281-02** | **COC Number:** | --- | **Receive Date:** | 03/15/2025 14:40 |
| | **Project Number:** | --- | **Sampling Date:** | 03/11/2025 13:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | South Basin East Inlet | **Lab Matrix:** | Water |
| | **Sampled By:** | Client | **Sample Type:** | Water |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2504281-01 | **Client Sample Name:** South Basin West Inlet, 3/11/2025 12:30:00PM, Client

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 0.50 | 0.12 | EPA-8141A | ND | | 1 |
| Bolstar | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Coumaphos | ND | ug/L | 0.50 | 0.11 | EPA-8141A | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.20 | 0.056 | EPA-8141A | ND | | 1 |
| Diazinon | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Disulfoton | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Ethoprop | ND | ug/L | 0.20 | 0.052 | EPA-8141A | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.20 | 0.051 | EPA-8141A | ND | | 1 |
| Fenthion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Merphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Mevinphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Naled | ND | ug/L | 0.50 | 0.17 | EPA-8141A | ND | | 1 |
| Phorate | ND | ug/L | 0.20 | 0.066 | EPA-8141A | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.20 | 0.082 | EPA-8141A | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Trichloronate | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Triphenylphosphate (Surrogate) | 115 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 03/17/25 10:00 | 03/19/25 02:02 | HAH | GC-18 | 1.020 | B208478 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2504281-02 | **Client Sample Name:** South Basin East Inlet, 3/11/2025 1:00:00PM, Client

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 2.5 | 0.60 | EPA-8141A | ND | A10 | 1 |
| Bolstar | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Chlorpyrifos | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Coumaphos | ND | ug/L | 2.5 | 0.55 | EPA-8141A | ND | A10 | 1 |
| Demeton O/S | ND | ug/L | 1.0 | 0.28 | EPA-8141A | ND | A10 | 1 |
| Diazinon | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Dichlorvos | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Disulfoton | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Ethoprop | ND | ug/L | 1.0 | 0.26 | EPA-8141A | ND | A10 | 1 |
| Fensulfothion | ND | ug/L | 1.0 | 0.26 | EPA-8141A | ND | A10 | 1 |
| Fenthion | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Merphos | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Methyl parathion | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Mevinphos | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Naled | ND | ug/L | 2.5 | 0.85 | EPA-8141A | ND | A10 | 1 |
| Phorate | ND | ug/L | 1.0 | 0.33 | EPA-8141A | ND | A10 | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 1.0 | 0.41 | EPA-8141A | ND | A10 | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Trichloronate | ND | ug/L | 1.0 | 0.25 | EPA-8141A | ND | A10 | 1 |
| Triphenylphosphate (Surrogate) | 55.0 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 03/17/25 10:00 | 03/19/25 02:31 | HAH | GC-18 | 5 | B208478 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|
| **QC Batch ID: B208478** | | | | | | | |
| Azinphos methyl | B208478-BLK1 | ND | ug/L | 0.50 | 0.12 | | 1 |
| Bolstar | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Chlorpyrifos | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Coumaphos | B208478-BLK1 | ND | ug/L | 0.50 | 0.11 | | 1 |
| Demeton O/S | B208478-BLK1 | ND | ug/L | 0.20 | 0.056 | | 1 |
| Diazinon | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Dichlorvos | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Disulfoton | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Ethoprop | B208478-BLK1 | ND | ug/L | 0.20 | 0.052 | | 1 |
| Fensulfothion | B208478-BLK1 | ND | ug/L | 0.20 | 0.051 | | 1 |
| Fenthion | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Merphos | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Methyl parathion | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Mevinphos | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Naled | B208478-BLK1 | ND | ug/L | 0.50 | 0.17 | | 1 |
| Phorate | B208478-BLK1 | ND | ug/L | 0.20 | 0.066 | | 1 |
| Ronnel (Fenchlorphos) | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Stirophos (Tetrachlorvinphos) | B208478-BLK1 | ND | ug/L | 0.20 | 0.082 | | 1 |
| Tokuthion (Prothiofos) | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Trichloronate | B208478-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| **Triphenylphosphate (Surrogate)** | **B208478-BLK1** | **77.4** | % | **50 - 130 (LCL - UCL)** | | | 1 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B208478-BLK1 | PB | EPA-8141A | 03/17/25 | 03/18/25 23:05 | HAH | GC-18 | 1 |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: B208478** | | | | | | | | | | | |
| Bolstar | B208478-BS1 | LCS | 1.9450 | 2.0000 | ug/L | 97.2 | | 50 - 130 | | | 1 |
| | B208478-BSD1 | LCSD | 1.7100 | 2.0000 | ug/L | 85.5 | 12.9 | 50 - 130 | 30 | | 2 |
| Chlorpyrifos | B208478-BS1 | LCS | 1.8600 | 2.0000 | ug/L | 93.0 | | 60 - 120 | | | 1 |
| | B208478-BSD1 | LCSD | 1.6700 | 2.0000 | ug/L | 83.5 | 10.8 | 60 - 120 | 30 | | 2 |
| Diazinon | B208478-BS1 | LCS | 2.1550 | 2.0000 | ug/L | 108 | | 60 - 130 | | | 1 |
| | B208478-BSD1 | LCSD | 1.6850 | 2.0000 | ug/L | 84.2 | 24.5 | 60 - 130 | 30 | | 2 |
| Methyl parathion | B208478-BS1 | LCS | 1.9350 | 2.0000 | ug/L | 96.8 | | 60 - 120 | | | 1 |
| | B208478-BSD1 | LCSD | 1.6800 | 2.0000 | ug/L | 84.0 | 14.1 | 60 - 120 | 30 | | 2 |
| **Mevinphos** | **B208478-BS1** | LCS | **2.4300** | **2.0000** | **ug/L** | **122** | | **50 - 120** | | **L01** | 1 |
| | **B208478-BSD1** | LCSD | **2.0300** | **2.0000** | **ug/L** | **102** | **17.9** | **50 - 120** | **30** | | 2 |
| Ronnel (Fenchlorphos) | B208478-BS1 | LCS | 1.9050 | 2.0000 | ug/L | 95.2 | | 50 - 120 | | | 1 |
| | B208478-BSD1 | LCSD | 1.5450 | 2.0000 | ug/L | 77.2 | 20.9 | 50 - 120 | 30 | | 2 |
| Stirophos (Tetrachlorvinphos) | B208478-BS1 | LCS | 2.0000 | 2.0000 | ug/L | 100 | | 50 - 120 | | | 1 |
| | B208478-BSD1 | LCSD | 1.6100 | 2.0000 | ug/L | 80.5 | 21.6 | 50 - 120 | 30 | | 2 |
| Triphenylphosphate (Surrogate) | B208478-BS1 | LCS | 2.7050 | 2.5000 | ug/L | 108 | | 50 - 130 | | | 1 |
| | B208478-BSD1 | LCSD | 2.1750 | 2.5000 | ug/L | 87.0 | 21.7 | 50 - 130 | | | 2 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B208478-BS1 | LCS | EPA-8141A | 03/17/25 | 03/18/25 23:34 | HAH | GC-18 | 1 |
| 2 | B208478-BSD1 | LCSD | EPA-8141A | 03/17/25 | 03/19/25 00:04 | HAH | GC-18 | 1 |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/24/2025 20:59
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

## Notes And Definitions

| | |
|---|---|
| MDL | Method Detection Limit |
| ND | Analyte Not Detected |
| PQL | Practical Quantitation Limit |
| A10 | Detection and quantitation limits were raised due to matrix interference. |
| L01 | The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits. |

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**Laboratory Job Number 528551**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2503B18

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-258551

**Project Location:**
**Project Received:** 03/17/2025

Analytical Report reviewed & approved for release on 03/26/2025 by:

Yen Cao

Yen Cao
Project Manager

***The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.***

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503B18

**Project:** EO-258551

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503B18

**Project:** EO-258551

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| a3 | Sample diluted due to high organic content interfering with quantitative/or qualitative analysis. |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B18 |
| **Date Received:** | 03/17/2025 11:38 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 03/18/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-258551 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 2503B18-001A | Water | 03/11/2025 12:30 | GC15A 03212563.D | 313479 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 1.3 | 5.0 | 5 | 03/22/2025 10:48 |
| Bentazon | ND | 2.0 | 5.0 | 5 | 03/22/2025 10:48 |
| Chloramben | ND | 1.6 | 5.0 | 5 | 03/22/2025 10:48 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.30 | 1.0 | 5 | 03/22/2025 10:48 |
| 2,4-DB | ND | 1.0 | 5.0 | 5 | 03/22/2025 10:48 |
| Dalapon | ND | 2.0 | 5.0 | 5 | 03/22/2025 10:48 |
| DCPA (mono & diacid) | ND | 0.70 | 5.0 | 5 | 03/22/2025 10:48 |
| Dicamba | ND | 0.30 | 1.0 | 5 | 03/22/2025 10:48 |
| 3,5-Dichlorobenzoic Acid | ND | 0.95 | 5.0 | 5 | 03/22/2025 10:48 |
| Dichloroprop | ND | 0.90 | 5.0 | 5 | 03/22/2025 10:48 |
| Dinoseb (DNBP) | ND | 0.90 | 5.0 | 5 | 03/22/2025 10:48 |
| MCPA | ND | 7.0 | 10 | 5 | 03/22/2025 10:48 |
| MCPP | ND | 3.8 | 10 | 5 | 03/22/2025 10:48 |
| 4-Nitrophenol | ND | 2.5 | 5.0 | 5 | 03/22/2025 10:48 |
| Pentachlorophenol (PCP) | ND | 0.28 | 1.0 | 5 | 03/22/2025 10:48 |
| Picloram | ND | 1.8 | 5.0 | 5 | 03/22/2025 10:48 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.28 | 1.0 | 5 | 03/22/2025 10:48 |
| 2,4,5-TP (Silvex) | ND | 0.70 | 2.5 | 5 | 03/22/2025 10:48 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 98 | 60-140 | 03/22/2025 10:48 |

Analyst(s): DP  Analytical Comments: a3

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B18 |
| **Date Received:** | 03/17/2025 11:38 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 03/18/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-258551 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN EAST INLET | 2503B18-002A | Water | 03/11/2025 13:00 | GC15A 03212564.D | 313479 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 03/22/2025 11:13 |
| Bentazon | ND | 4.1 | 10 | 10 | 03/22/2025 11:13 |
| Chloramben | ND | 3.1 | 10 | 10 | 03/22/2025 11:13 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 03/22/2025 11:13 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 03/22/2025 11:13 |
| Dalapon | ND | 3.9 | 10 | 10 | 03/22/2025 11:13 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 03/22/2025 11:13 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 03/22/2025 11:13 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 03/22/2025 11:13 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 03/22/2025 11:13 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 03/22/2025 11:13 |
| MCPA | ND | 14 | 20 | 10 | 03/22/2025 11:13 |
| MCPP | ND | 7.7 | 20 | 10 | 03/22/2025 11:13 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 03/22/2025 11:13 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 03/22/2025 11:13 |
| Picloram | ND | 3.5 | 10 | 10 | 03/22/2025 11:13 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 03/22/2025 11:13 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 03/22/2025 11:13 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 86 | 60-140 | 03/22/2025 11:13 |

Analyst(s): DP  Analytical Comments: a3

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B18 |
| **Date Prepared:** | 03/18/2025 | **BatchID:** | 313479 |
| **Date Analyzed:** | 03/22/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-258551 | **Sample ID:** | MB/LCS/LCSD-313479 |

## QC Summary Report for SW8151A

| Analyte | MB Result | MDL | RL | SPK Val | MB IS/SS %REC | MB IS/SS Limits |
|---|---|---|---|---|---|---|
| Acifluorfen | ND | 0.26 | 1.0 | - | - | - |
| Bentazon | ND | 0.41 | 1.0 | - | - | - |
| Chloramben | ND | 0.31 | 1.0 | - | - | - |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.059 | 0.20 | - | - | - |
| 2,4-DB | ND | 0.21 | 1.0 | - | - | - |
| Dalapon | ND | 0.39 | 1.0 | - | - | - |
| DCPA (mono & diacid) | ND | 0.14 | 1.0 | - | - | - |
| Dicamba | ND | 0.059 | 0.20 | - | - | - |
| 3,5-Dichlorobenzoic Acid | ND | 0.19 | 1.0 | - | - | - |
| Dichloroprop | ND | 0.18 | 1.0 | - | - | - |
| Dinoseb (DNBP) | ND | 0.18 | 1.0 | - | - | - |
| MCPA | ND | 1.4 | 2.0 | - | - | - |
| MCPP | ND | 0.77 | 2.0 | - | - | - |
| 4-Nitrophenol | ND | 0.50 | 1.0 | - | - | - |
| Pentachlorophenol (PCP) | ND | 0.055 | 0.20 | - | - | - |
| Picloram | ND | 0.35 | 1.0 | - | - | - |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.056 | 0.20 | - | - | - |
| 2,4,5-TP (Silvex) | ND | 0.14 | 0.50 | - | - | - |
| **Surrogate Recovery** | | | | | | |
| DCAA | 9.7 | | | 10 | 97 | 70-130 |

*(Cont.)*

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503B18 |
| **Date Prepared:** | 03/18/2025 | **BatchID:** | 313479 |
| **Date Analyzed:** | 03/22/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-258551 | **Sample ID:** | MB/LCS/LCSD-313479 |

## QC Summary Report for SW8151A

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Acifluorfen | 11 | 10 | 10 | 114 | 100 | 70-130 | 13.1 | 30 |
| Bentazon | 12 | 12 | 10 | 123 | 116 | 70-130 | 5.95 | 30 |
| Chloramben | 12 | 11 | 10 | 119 | 113 | 70-130 | 5.10 | 30 |
| 2,4-D (Dichlorophenoxyacetic acid) | 12 | 11 | 10 | 116 | 108 | 70-130 | 6.64 | 30 |
| 2,4-DB | 11 | 11 | 10 | 113 | 106 | 70-130 | 6.72 | 30 |
| Dalapon | 11 | 11 | 10 | 112 | 112 | 70-130 | 0.0678 | 30 |
| DCPA (mono & diacid) | 12 | 11 | 10 | 116 | 110 | 70-130 | 5.81 | 30 |
| Dicamba | 11 | 11 | 10 | 110 | 108 | 70-130 | 2.47 | 30 |
| 3,5-Dichlorobenzoic Acid | 11 | 10 | 10 | 109 | 105 | 70-130 | 3.92 | 30 |
| Dichloroprop | 11 | 11 | 10 | 113 | 109 | 70-130 | 3.59 | 30 |
| Dinoseb (DNBP) | 12 | 11 | 10 | 120 | 110 | 70-130 | 8.82 | 30 |
| MCPA | 89 | 90 | 100 | 89 | 90 | 70-130 | 1.50 | 30 |
| MCPP | 100 | 100 | 100 | 103 | 101 | 70-130 | 1.63 | 30 |
| 4-Nitrophenol | 9.0 | 8.7 | 10 | 90 | 87 | 70-130 | 3.77 | 30 |
| Pentachlorophenol (PCP) | 11 | 11 | 10 | 111 | 107 | 70-130 | 3.80 | 30 |
| Picloram | 11 | 11 | 10 | 112 | 110 | 70-130 | 1.93 | 30 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | 11 | 12 | 10 | 113 | 116 | 70-130 | 1.93 | 30 |
| 2,4,5-TP (Silvex) | 11 | 11 | 10 | 115 | 110 | 70-130 | 3.94 | 30 |
| **Surrogate Recovery** | | | | | | | | |
| DCAA | 12 | 11 | 10 | 117 | 113 | 70-130 | 3.45 | 30 |

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# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503B18** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-258551

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 2 days;**

*Date Received:* **03/17/2025**
*Date Logged:* **03/17/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503B18-001 | SOUTH BASIN WEST INLET | Water | 3/11/2025 12:30 | ☐ | A | A | | | | | | | | | | |
| 2503B18-002 | SOUTH BASIN EAST INLET | Water | 3/11/2025 13:00 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 8151_W | 2 | PRDisposal Fee | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Emily Perez**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-258551 **Work Order:** 2503B18
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 3/17/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH BASIN WEST INLET | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 3/11/2025 12:30 | 2 days | 3/19/2025 | Present | ☐ | ☐ |
| 002A | SOUTH BASIN EAST INLET | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 3/11/2025 13:00 | 2 days | 3/19/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2503B18

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-528551
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 11-MAR-2025 12:30 | 528551-001 | 1 | Water | EPA 8151A Chlorinated Herbicides | |
| SOUTH BASIN EAST INLET | 11-MAR-2025 13:00 | 528551-002 | 1 | Water | EPA 8151A Chlorinated Herbicides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Quintero EA-ORA | |
| | Date: 3/12/25 1645 | Date: |
| | | Emily R |
| | Date: | Date: 3/14/25 1138 |
| | | |
| | Date: | Date: |

GIS: 562751289

2.2 wet
IR30

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# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 3/17/2025 11:38 |
| Project: | EO-258551 | Date Logged: | 3/17/2025 |
| | | Received by: | |
| WorkOrder №: | 2503B18 Matrix: | Logged by: | Emily Perez |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☐ | No | ☐ | NA | ☑ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☐ | No | ☐ | NA | ☑ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 2.2°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

**Laboratory Job Number 528551**

**Subcontracted Products**

**Enthalpy - El Dorado Hills**

March 28, 2025

**Enthalpy Analytical - El Dorado Hills**
**Work Order No. 2503132**

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on March 14, 2025 under your Project Name 'EO-528551'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

*Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .*

**Enthalpy Analytical - EDH Work Order No. 2503132**
**Case Narrative**

**Sample Condition on Receipt:**

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

**Analytical Notes:**

**EPA Method 8290A**

The samples were extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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# Sample Inventory Report

| Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 2503132-01 | SOUTH BASIN WEST INLET | 11-Mar-25 12:30 | 14-Mar-25 11:14 | Amber Glass NM Bottle, 1L |
| 2503132-02 | SOUTH BASIN EAST INLET | 11-Mar-25 13:00 | 14-Mar-25 11:14 | Amber Glass NM Bottle, 1L |

**ANALYTICAL RESULTS**

## Sample ID: Method Blank

**EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-528551
Matrix: Aqueous

**Laboratory Data**

Lab Sample: B25C306-BLK1
QC Batch: B25C306
Sample Size: 1.00 L
Date Extracted: 25-Mar-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.78 | 5.00 | | 26-Mar-25 15:38 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 88.6 | 40 - 135 | | 26-Mar-25 15:38 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 113 | 40 - 135 | | 26-Mar-25 15:38 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

**Sample ID: OPR** **EPA Method 8290A**

**Client Data**
Name: Enthalpy Analytical
Project: EO-528551
Matrix: Aqueous

**Laboratory Data**
Lab Sample: B25C306-BS1
QC Batch: B25C306 Date Extracted: 25-Mar-25 04:05
Sample Size: 1.00 L Column: ZB-DIOXIN

| Analyte | Amt Found (pg/L) | Spike Amt | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | 197 | 200 | 98.4 | 70-130 | | 26-Mar-25 12:58 | 1 |
| **Labeled Standards** | **Type** | | **% Recovery** | **Limits** | **Qualifiers** | **Analyzed** | **Dilution** |
| 13C-2,3,7,8-TCDD | IS | | 92.1 | 40-135 | | 26-Mar-25 12:58 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | | 106 | 40-135 | | 26-Mar-25 12:58 | 1 |

**Sample ID: SOUTH BASIN WEST INLET** **EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-528551
Matrix: Water
Date Collected: 11-Mar-25 12:30

**Laboratory Data**

Lab Sample: 2503132-01
QC Batch: B25C306
Sample Size: 0.967 L
Date Received: 14-Mar-25 11:14
Date Extracted: 25-Mar-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.84 | 5.17 | | 26-Mar-25 18:39 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 96.0 | 40 - 135 | | 26-Mar-25 18:39 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 101 | 40 - 135 | | 26-Mar-25 18:39 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

**Sample ID: SOUTH BASIN EAST INLET** **EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-528551
Matrix: Water
Date Collected: 11-Mar-25 13:00

**Laboratory Data**

Lab Sample: 2503132-02
QC Batch: B25C306
Sample Size: 0.503 L
Date Received: 14-Mar-25 11:14
Date Extracted: 25-Mar-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | 5.61 | 3.54 | 9.95 | J | 26-Mar-25 19:25 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 120 | 40 - 135 | | 26-Mar-25 19:25 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 132 | 40 - 135 | | 26-Mar-25 19:25 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| B | This compound was also detected in the method blank |
| Conc. | Concentration |
| CRS | Cleanup Recovery Standard |
| D | Dilution |
| DL | Detection Limit |
| E | The associated compound concentration exceeded the calibration range of the instrument |
| EDL | Estimated Detection Limit |
| EMPC | Estimated Maximum Possible Concentration |
| H | Recovery and/or RPD was outside laboratory acceptance limits |
| I | Chemical Interference |
| IS | Internal Standard |
| J | The amount detected is below the Reporting Limit/LOQ |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| MDL | Method Detection Limit |
| NA | Not applicable |
| ND | Not Detected |
| OPR | Ongoing Precision and Recovery sample |
| P | The reported concentration may include contribution from chlorinated diphenyl ether(s). |
| Q | The ion transition ratio is outside of the acceptance criteria. |
| RL | Reporting Limit |
| RL | For 537.1, the reported RLs are the MRLs. |
| TEQ | Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations. |
| TEQMax | TEQ calculation that uses the detection limit as the concentration for non-detects |
| TEQMin | TEQ calculation that uses zero as the concentration for non-detects |
| TEQRisk | TEQ calculation that uses ½ the detection limit as the concentration for non-detects |
| U | Not Detected (specific projects only) |
| * | See Cover Letter |

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

**Enthalpy Analytical - EDH Certifications**

| Accrediting Authority | Certificate Number |
|---|---|
| Alaska Department of Environmental Conservation | 17-013 |
| Arkansas Department of Environmental Quality | 21-023-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025 | 3091.01 |
| Florida Department of Health | E87777 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2020018 |
| Michigan Department of Environmental Quality | 9932 |
| Minnesota Department of Health | 2211390 |
| Nevada Division of Environmental Protection | CA00413 |
| New Hampshire Environmental Accreditation Program | 207721 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Ohio Environmental Protection Agency | 87778 |
| Oregon Laboratory Accreditation Program | 4042-021 |
| Texas Commission on Environmental Quality | T104704189-22-13 |
| Vermont Department of Health | VT-4042 |
| Virginia Department of General Services | 11276 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.*

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2503132 1.6°C

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-528551
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

Notes:
Chiquita Canyon Landfill Stormwater

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 11-MAR-2025 12:30 | 528551-001 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |
| SOUTH BASIN EAST INLET | 11-MAR-2025 13:00 | 528551-002 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Quintero EA-ORA | W Spann |
| | Date: 3/12/25 1645 | Date: 03/14/25 1114 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1 of 1

# CoC/Label Reconciliation Report WO# 2503132

| LabNumber | CoC Sample ID | | SampleAlias | Sample Date/Time | | Container | BaseMatrix | Sample Comments |
|---|---|---|---|---|---|---|---|---|
| 2503132-01 | A SOUTH BASIN WEST INLET | ☑ (a) | 528551-001 | 11-Mar-25 12:30 | ☑ (a) | Amber Glass WM Bottle, 1L | Aqueous | |
| 2503132-02 | A SOUTH BASIN EAST INLET | ☑ (B) | 528551-002 | 11-Mar-25 13:00 | ☑ | Amber Glass NM Bottle, 1L | Aqueous | |

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

| CONDITION | Yes | No | NA |
|---|---|---|---|
| Sample Container Intact? | ✓ | | |
| Sample Container(s) Custody Seals Intact? | | | ✓ |
| Custody Seals On Cooler Intact? | | | ✓ |
| Adequate Sample Volume? | ✓ | | |
| Container Type Appropriate for Analysis(es)? | ✓ | | |

Comments: (a) no backup volume received
(B) particulate present

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: WWS 03/14/25
KS 03/14/25

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528895
Report Level : II
Report Date : 03/28/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Stormwater - IGP

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 528895 |
| Project No: | SW - IGP |
| Location: | Stormwater - IGP |
| Date Received: | 03/14/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN STAGE 2 | 528895-001 | 03/14/25 13:30 | Water |
| SOUTH BASIN OUTLET | 528895-002 | 03/14/25 13:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528895<br>Project No: SW - IGP<br>Location: Stormwater - IGP<br>Date Received: 03/14/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/14/25. The samples were received cold and intact.

**Metals (EPA 200.7):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Total Oil & Grease (HEM) (EPA 1664A):**

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

**Total Suspended Solids (TSS) (SM2540D):**
No analytical problems were encountered.

**Coliform - 9221 Tests (SM 9221B and SM 9221F):**
No analytical problems were encountered.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 528895

Page: 2 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | TOTAL COLIFORM, E. COLI | 200.7 Fe | 300.0 CHLORIDE | OIL AND GREESE | TSS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN STAGE 2 | 03/14/25 | 1330 | W | 5 | 6,2,4,1 | X | X | X | X | X | | | | | |
| 2 | SOUTH BASIN OUTLET | 03/14/25 | 1300 | W | 5 | 6,2,4,1 | X | X | X | X | X | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Commen**

IGP

9.2

9.3 IR 11

Email report to:

Login 528895

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Mathias H | CTEH | 3/14/25 1900 |
| [1] Received By: | Hoss Davari | Hoss Davari | EA | 3/14/25 18:00 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 03/14/25 WO# 528895 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** GCM 3/14/25 ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 03/14/25 By (initials) ~~DX~~ HXD/DEP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: GCM 9.3 / 9.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☐ **No microbiology samples submitted (skip 3b)**

■ Within temp range 0.0 - 10.0°C or received on ice directly from field.

■ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? AMD 3/14/25 | ~~X~~ | X | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

Sample -001: Metals bottle is not preserved.

☐ **No additional discrepancies**

**Date Logged** 03/14/25 **By (print)** FPDIWA **(sign)** _____

**Date Labeled** 03/14/25 **By (print)** DEP/TLK/NCM **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 528895

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528895
Project No: SW - IGP
Location: Stormwater - IGP
Date Received: 03/14/25

**Sample ID: SOUTH BASIN STAGE 2** **Lab ID: 528895-001** **Collected: 03/14/25 13:30**
**Matrix: Water**

| 528895-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | ND | | mg/L | 4.9 | 2.0 | 0.99 | 366741 | 03/22/25 | 03/23/25 | HXO |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **1.3** | | mg/L | 0.046 | 0.046 | 1 | 366165 | 03/17/25 | 03/17/25 | CAP |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **48** | | mg/L | 1.0 | 0.27 | 1 | 365967 | 03/14/25 14:30 | 03/15/25 00:01 | BPH |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 366016 | 03/14/25 18:20 | 03/16/25 14:51 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **>1,600** | | MPN/100ml | 1.8 | | 1 | 366016 | 03/14/25 18:20 | 03/16/25 14:51 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **60** | | mg/L | 0.5 | | 1 | 366593 | 03/20/25 | 03/21/25 | TRR |

**Sample ID: SOUTH BASIN OUTLET** **Lab ID: 528895-002** **Collected: 03/14/25 13:00**
**Matrix: Water**

| 528895-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | ND | | mg/L | 4.9 | 2.0 | 0.99 | 366741 | 03/22/25 | 03/23/25 | HXO |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **1.7** | | mg/L | 0.046 | 0.046 | 1 | 366165 | 03/17/25 | 03/17/25 | CAP |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **46** | | mg/L | 1.0 | 0.27 | 1 | 365967 | 03/14/25 14:30 | 03/15/25 00:43 | BPH |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 366016 | 03/14/25 18:20 | 03/16/25 14:51 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **>1,600** | | MPN/100ml | 1.8 | | 1 | 366016 | 03/14/25 18:20 | 03/16/25 14:51 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **66** | | mg/L | 0.5 | | 1 | 366593 | 03/20/25 | 03/21/25 | TRR |



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528895

> Value exceeds indicated concentration
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1241702 | Batch: 366741 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1241702 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Oil and Grease | ND | | mg/L | 5.0 | 2.1 | 03/22/25 | 03/23/25 |

| Type: Lab Control Sample | Lab ID: QC1241703 | Batch: 366741 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1241703 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Oil and Grease | 35.20 | 40.00 | mg/L | 88% | | 78-114 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1241704 | Batch: 366741 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1241704 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Oil and Grease | 37.10 | 40.00 | mg/L | 93% | | 78-114 | 5 | 18 |

| Type: Blank | Lab ID: QC1239784 | Batch: 366165 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1239784 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Iron | ND | | mg/L | 0.046 | 0.046 | 03/17/25 | 03/17/25 |

| Type: Lab Control Sample | Lab ID: QC1239785 | Batch: 366165 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1239785 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Iron | 0.3791 | 0.4000 | mg/L | 95% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1239786 | Batch: 366165 |
|---|---|---|
| Matrix (Source ID): Filtrate (528783-008) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1239786 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 0.3584 | ND | 0.4000 | mg/L | 90% | | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1239787 | Batch: 366165 |
|---|---|---|
| Matrix (Source ID): Filtrate (528783-008) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1239787 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 0.3651 | ND | 0.4000 | mg/L | 91% | | 75-125 | 2 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Serial Dilution | Lab ID: | QC1239818 | Batch: | 366165 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Filtrate (528783-008) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1239818 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Iron | ND | ND | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1239098 | Batch: | 365967 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1239098 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 03/14/25 14:30 | 03/14/25 14:58 |

| Type: | Lab Control Sample | Lab ID: | QC1239099 | Batch: | 365967 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1239099 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 47.20 | 50.00 | mg/L | 94% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1239100 | Batch: | 365967 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528688-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1239100 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 192.5 | 99.01 | 100.0 | mg/L | 93% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239101 | Batch: | 365967 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528688-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1239101 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 193.4 | 99.01 | 100.0 | mg/L | 94% | | 80-120 | 0 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1239102 | Batch: | 365967 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528844-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1239102 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 152.1 | 51.36 | 100.0 | mg/L | 101% | | 80-120 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | Matrix Spike Duplicate | **Lab ID:** | QC1239103 | **Batch:** | 365967 |
| **Matrix (Source ID):** | Water (528844-001) | **Method:** | EPA 300.0 | **Prep Method:** | METHOD |

| QC1239103 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 152.7 | 51.36 | 100.0 | mg/L | 101% | | 80-120 | 0 | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | Blank | **Lab ID:** | QC1241195 | **Batch:** | 366593 |
| **Matrix:** | Water | **Method:** | SM2540D | **Prep Method:** | METHOD |

| QC1241195 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | mg/L | 0.5 | | 03/20/25 | 03/21/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | Lab Control Sample | **Lab ID:** | QC1241196 | **Batch:** | 366593 |
| **Matrix:** | Water | **Method:** | SM2540D | **Prep Method:** | METHOD |

| QC1241196 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Suspended Solids | 99.80 | 100.0 | mg/L | 100% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | Lab Control Sample Duplicate | **Lab ID:** | QC1241197 | **Batch:** | 366593 |
| **Matrix:** | Water | **Method:** | SM2540D | **Prep Method:** | METHOD |

| QC1241197 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 100.2 | 100.0 | mg/L | 100% | | 90-110 | 0 | 5 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | Sample Duplicate | **Lab ID:** | QC1241198 | **Batch:** | 366593 |
| **Matrix (Source ID):** | Water (528426-006) | **Method:** | SM2540D | **Prep Method:** | METHOD |

| QC1241198 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 99.00 | 101.0 | mg/L | | 2 | 5 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | Sample Duplicate | **Lab ID:** | QC1241199 | **Batch:** | 366593 |
| **Matrix (Source ID):** | Water (528960-001) | **Method:** | SM2540D | **Prep Method:** | METHOD |

| QC1241199 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 87.00 | 86.00 | mg/L | | 1 | 5 | 1 |

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528894
Report Level : II
Report Date : 04/01/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - SUBCHAPTER N - SW - SUBCHAPTER

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Kate Logan<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 528894<br>SW - SUBCHAPTER N<br>SW - SUBCHAPTER<br>03/14/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN STAGE 2 | 528894-001 | 03/14/25 13:30 | Water |
| SOUTH BASIN OUTLET | 528894-002 | 03/14/25 13:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528894<br>Project No: SW - SUBCHAPTER N<br>Location: SW - SUBCHAPTER<br>Date Received: 03/14/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/14/25. The samples were received cold and intact.

**Semivolatile Organics by GC/MS (EPA 625.1):**

- SOUTH BASIN STAGE 2 (lab # 528894-001) and SOUTH BASIN OUTLET (lab # 528894-002) were diluted due to the dark color of the sample extracts.
- No other analytical problems were encountered.

**Metals (EPA 200.8):**
No analytical problems were encountered.

**Biochemical Oxygen Demand (SM5210B):**
No analytical problems were encountered.

**Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):**

- High recovery was observed for ammonia-N in the MS for batch 367523; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 528894

Page: 1 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

**Test Instructions / Commen**

SUBCHAPTER N

9.2

9.3 IR11

Email report to:

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | 200.8 CHROMIUM, ZINC, ARSENIC | 625 | AMMONIA | BOD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN STAGE 2 | 03/14/25 | 1330 | W | 4 | 6,2,4,1 | X | X | X | X |
| 2 | SOUTH BASIN OUTLET | 03/14/25 | 1300 | W | 4 | 6,2,4,1 | X | X | X | X |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |

Login 528894

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Matt Jessie | CTEH | 3/14/25 1800 |
| [1] Received By: | | Hoss Darabi | EA | 3/14/25 18:0 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 03/14/25 WO# 528894 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 03/14/25 By (initials) HXD / DEP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

■ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: +0.1

Cooler Temp (°C) #1: GCm 9.3 / 9.2 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | | X |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 03/14/25 **By (print)** FPDIWA **(sign)** _____

**Date Labeled** 03/14/25 **By (print)** DEP ITLK **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 528894

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528894
Project No: SW - SUBCHAPTER N
Location: SW - SUBCHAPTER
Date Received: 03/14/25

**Sample ID: SOUTH BASIN STAGE 2** **Lab ID: 528894-001** **Collected: 03/14/25 13:30**
**Matrix: Water**

| 528894-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Arsenic | **5.6** | | ug/L | 2.0 | 0.22 | 1 | 366062 | 03/15/25 | 03/17/25 | KAM |
| Chromium | **3.2** | J | ug/L | 5.0 | 0.34 | 1 | 366062 | 03/15/25 | 03/17/25 | KAM |
| Zinc | **15** | | ug/L | 10 | 7.4 | 1 | 366062 | 03/15/25 | 03/17/25 | KAM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.57** | | mg/L | 0.10 | 0.050 | 1 | 367523 | 03/31/25 | 03/31/25 | DAD |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Benzoic acid | ND | | ug/L | 96 | 24 | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Pyridine | ND | | ug/L | 19 | 6.9 | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Phenol | ND | | ug/L | 19 | 2.0 | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| 2-Methylphenol | ND | | ug/L | 19 | 3.1 | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| 3-,4-Methylphenol | ND | | ug/L | 19 | 3.4 | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Naphthalene | ND | | ug/L | 19 | 2.8 | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Cresol | ND | | ug/L | 19 | | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| TIC:a-Terpineol | ND | | ug/L | | | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 52% | | %REC | 10-140 | | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Phenol-d6 | 36% | | %REC | 10-140 | | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| 2,4,6-Tribromophenol | 78% | | %REC | 12-140 | | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Nitrobenzene-d5 | 85% | | %REC | 10-140 | | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| 2-Fluorobiphenyl | 72% | | %REC | 11-140 | | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Terphenyl-d14 | 58% | | %REC | 20-140 | | 1.9 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **23** | | mg/L | 3.0 | | 1 | 365992 | 03/14/25 19:57 | 03/19/25 19:38 | AAB |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528894

| Sample ID: SOUTH BASIN OUTLET | Lab ID: 528894-002 | Collected: 03/14/25 13:00 |
|---|---|---|
| | Matrix: Water | |

| 528894-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Arsenic | **5.9** | | ug/L | 2.0 | 0.22 | 1 | 366062 | 03/15/25 | 03/17/25 | KAM |
| Chromium | **2.9** | J | ug/L | 5.0 | 0.34 | 1 | 366062 | 03/15/25 | 03/17/25 | KAM |
| Zinc | **38** | | ug/L | 10 | 7.4 | 1 | 366062 | 03/15/25 | 03/17/25 | KAM |
| Method: EPA 350.1<br>Prep Method: METHOD | | | | | | | | | | |
| Ammonia-N | **0.62** | | mg/L | 0.10 | 0.050 | 1 | 367523 | 03/31/25 | 03/31/25 | DAD |
| Method: EPA 625.1<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Benzoic acid | ND | | ug/L | 240 | 59 | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Pyridine | ND | | ug/L | 48 | 17 | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Phenol | ND | | ug/L | 48 | 4.9 | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| 2-Methylphenol | ND | | ug/L | 48 | 7.8 | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| 3-,4-Methylphenol | ND | | ug/L | 48 | 8.6 | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Naphthalene | ND | | ug/L | 48 | 6.9 | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Cresol | ND | | ug/L | 48 | | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| TIC:a-Terpineol | ND | | ug/L | | | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 54% | | %REC | 10-140 | | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Phenol-d6 | 41% | | %REC | 10-140 | | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| 2,4,6-Tribromophenol | 92% | | %REC | 12-140 | | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Nitrobenzene-d5 | 92% | | %REC | 10-140 | | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| 2-Fluorobiphenyl | 81% | | %REC | 11-140 | | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Terphenyl-d14 | 76% | | %REC | 20-140 | | 4.8 | 365908 | 03/15/25 | 03/15/25 | TJW |
| Method: SM5210B<br>Prep Method: METHOD | | | | | | | | | | |
| Biochemical Oxygen Demand | **36** | | mg/L | 3.0 | | 1 | 365992 | 03/14/25 19:57 | 03/19/25 19:38 | AAB |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1239420 | **Batch:** 366062 |
| **Matrix:** Water | **Method:** EPA 200.8 | **Prep Method:** EPA 3015A |

| QC1239420 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Arsenic | ND | | ug/L | 2.0 | 0.38 | 03/15/25 | 03/17/25 |
| Chromium | ND | | ug/L | 5.0 | 0.24 | 03/15/25 | 03/17/25 |
| Zinc | ND | | ug/L | 10 | 7.4 | 03/15/25 | 03/17/25 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1239421 | **Batch:** 366062 |
| **Matrix:** Water | **Method:** EPA 200.8 | **Prep Method:** EPA 3015A |

| QC1239421 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Arsenic | 99.23 | 100.0 | ug/L | 99% | | 85-115 |
| Chromium | 102.1 | 100.0 | ug/L | 102% | | 85-115 |
| Zinc | 105.0 | 100.0 | ug/L | 105% | | 85-115 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1239422 | **Batch:** 366062 |
| **Matrix (Source ID):** Water (528927-001) | **Method:** EPA 200.8 | **Prep Method:** EPA 3015A |

| QC1239422 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 99.93 | 0.2247 | 100.0 | ug/L | 100% | | 70-130 | 5 |
| Chromium | 103.6 | 1.034 | 100.0 | ug/L | 103% | | 70-130 | 5 |
| Zinc | 215.5 | 124.7 | 100.0 | ug/L | 91% | | 70-130 | 5 |

| | | |
|---|---|---|
| **Type:** Matrix Spike Duplicate | **Lab ID:** QC1239423 | **Batch:** 366062 |
| **Matrix (Source ID):** Water (528927-001) | **Method:** EPA 200.8 | **Prep Method:** EPA 3015A |

| QC1239423 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 101.8 | 0.2247 | 100.0 | ug/L | 102% | | 70-130 | 2 | 20 | 5 |
| Chromium | 107.3 | 1.034 | 100.0 | ug/L | 106% | | 70-130 | 4 | 20 | 5 |
| Zinc | 215.5 | 124.7 | 100.0 | ug/L | 91% | | 70-130 | 0 | 20 | 5 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1239424 | **Batch:** 366062 |
| **Matrix (Source ID):** Water (528927-002) | **Method:** EPA 200.8 | **Prep Method:** EPA 3015A |

| QC1239424 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Arsenic | 105.4 | ND | 100.0 | ug/L | 105% | | 70-130 | 10 |
| Chromium | 106.4 | ND | 100.0 | ug/L | 106% | | 70-130 | 10 |
| Zinc | 703.0 | 609.3 | 100.0 | ug/L | 94% | NM | 70-130 | 10 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239425 | Batch: | 366062 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528927-002) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1239425 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 102.8 | ND | 100.0 | ug/L | 103% | | 70-130 | 3 | 20 | 10 |
| Chromium | 107.2 | ND | 100.0 | ug/L | 107% | | 70-130 | 1 | 20 | 10 |
| Zinc | 707.9 | 609.3 | 100.0 | ug/L | 99% | NM | 70-130 | 1 | 20 | 10 |

| Type: | Matrix Spike | Lab ID: | QC1244329 | Batch: | 367523 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528665-003) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1244329 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.046 | ND | 1.000 | mg/L | 105% | | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1244330 | Batch: | 367523 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528665-003) | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1244330 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.066 | ND | 1.000 | mg/L | 107% | | 90-110 | 2 | 20 | 1 |

| Type: | Matrix Spike | Lab ID: | QC1244331 | Batch: | 367523 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528782-001) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1244331 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.206 | 0.09420 | 1.000 | mg/L | 111% | * | 90-110 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1244332 | Batch: | 367523 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528782-001) | Method: | EPA 350.1 | Prep Method: | SM 4500-NH3-G SD |

| QC1244332 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia-N | 1.174 | 0.09420 | 1.000 | mg/L | 108% | | 90-110 | 3 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1244333 | Batch: | 367523 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 350.1 | Prep Method: | METHOD |

| QC1244333 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Ammonia-N | ND | | mg/L | 0.10 | 0.050 | 03/31/25 | 03/31/25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Lab Control Sample | Lab ID: QC1244334 | Batch: 367523 |
|---|---|---|
| Matrix: Water | Method: EPA 350.1 | Prep Method: METHOD |

| QC1244334 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Ammonia-N | 1.029 | 1.000 | mg/L | 103% | | 90-110 |

| Type: Blank | Lab ID: QC1238950 | Batch: 365908 |
|---|---|---|
| Matrix: Water | Method: EPA 625.1 | Prep Method: EPA 3510C |

| QC1238950 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Benzoic acid | ND | | ug/L | 50 | 12 | 03/14/25 | 03/14/25 |
| Pyridine | ND | | ug/L | 10 | 3.6 | 03/14/25 | 03/14/25 |
| Phenol | ND | | ug/L | 10 | 1.0 | 03/14/25 | 03/14/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 1.6 | 03/14/25 | 03/14/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 1.8 | 03/14/25 | 03/14/25 |
| Naphthalene | ND | | ug/L | 10 | 1.4 | 03/14/25 | 03/14/25 |
| Cresol | ND | | ug/L | 10 | | 03/14/25 | 03/14/25 |
| TIC:a-Terpineol | ND | | ug/L | | | 03/14/25 | 03/14/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 34% | | %REC | 20-140 | | 03/14/25 | 03/14/25 |
| Phenol-d6 | 22% | | %REC | 20-140 | | 03/14/25 | 03/14/25 |
| 2,4,6-Tribromophenol | 51% | | %REC | 20-140 | | 03/14/25 | 03/14/25 |
| Nitrobenzene-d5 | 56% | | %REC | 20-140 | | 03/14/25 | 03/14/25 |
| 2-Fluorobiphenyl | 55% | | %REC | 20-140 | | 03/14/25 | 03/14/25 |
| Terphenyl-d14 | 58% | | %REC | 20-140 | | 03/14/25 | 03/14/25 |

| Type: Lab Control Sample | Lab ID: QC1238951 | Batch: 365908 |
|---|---|---|
| Matrix: Water | Method: EPA 625.1 | Prep Method: EPA 3510C |

| QC1238951 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 28.54 | 75.00 | ug/L | 38% | | 13-120 |
| 3-,4-Methylphenol | 56.09 | 75.00 | ug/L | 75% | | 29-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 21.27 | 40.00 | ug/L | 53% | | 20-140 |
| Phenol-d6 | 14.16 | 40.00 | ug/L | 35% | | 20-140 |
| 2,4,6-Tribromophenol | 35.90 | 40.00 | ug/L | 90% | | 20-140 |
| Nitrobenzene-d5 | 35.05 | 40.00 | ug/L | 88% | | 20-140 |
| 2-Fluorobiphenyl | 32.58 | 40.00 | ug/L | 81% | | 20-140 |
| Terphenyl-d14 | 36.13 | 40.00 | ug/L | 90% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1238952** | **Batch:** | **365908** |
| **Matrix:** | **Water** | **Method:** | **EPA 625.1** | **Prep Method:** | **EPA 3510C** |

| QC1238952 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 26.17 | 75.00 | ug/L | 35% | | 13-120 | 9 | 62 |
| 3-,4-Methylphenol | 50.21 | 75.00 | ug/L | 67% | | 29-120 | 11 | 62 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 18.85 | 40.00 | ug/L | 47% | | 20-140 | | |
| Phenol-d6 | 12.62 | 40.00 | ug/L | 32% | | 20-140 | | |
| 2,4,6-Tribromophenol | 33.14 | 40.00 | ug/L | 83% | | 20-140 | | |
| Nitrobenzene-d5 | 31.57 | 40.00 | ug/L | 79% | | 20-140 | | |
| 2-Fluorobiphenyl | 28.80 | 40.00 | ug/L | 72% | | 20-140 | | |
| Terphenyl-d14 | 33.90 | 40.00 | ug/L | 85% | | 20-140 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1238954** | **Batch:** | **365908** |
| **Matrix:** | **TCLP Leachate** | **Method:** | **EPA 625.1** | **Prep Method:** | **EPA 3510C** |

| QC1238954 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 81.48 | 150.0 | ug/L | 54% | | 13-120 |
| 3-,4-Methylphenol | 103.2 | 150.0 | ug/L | 69% | | 29-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 45.33 | 80.00 | ug/L | 57% | | 20-140 |
| Phenol-d6 | 39.50 | 80.00 | ug/L | 49% | | 20-140 |
| 2,4,6-Tribromophenol | 58.56 | 80.00 | ug/L | 73% | | 20-140 |
| Nitrobenzene-d5 | 50.79 | 80.00 | ug/L | 63% | | 20-140 |
| 2-Fluorobiphenyl | 45.68 | 80.00 | ug/L | 57% | | 20-140 |
| Terphenyl-d14 | 60.52 | 80.00 | ug/L | 76% | | 20-140 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Spike** | **Lab ID:** | **QC1238955** | **Batch:** | **365908** |
| **Matrix (Source ID):** | **TCLP Leachate (528631-001)** | **Method:** | **EPA 625.1** | **Prep Method:** | **EPA 3510C** |

| QC1238955 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Phenol | 8,000 | 8088 | 150.0 | ug/L | -59% | E,NM | 10-130 | 20 |
| 3-,4-Methylphenol | 696.9 | 533.2 | 150.0 | ug/L | 109% | | 19-130 | 20 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 65.13 | | 80.00 | ug/L | 81% | | 10-140 | 20 |
| Phenol-d6 | 59.68 | | 80.00 | ug/L | 75% | | 10-140 | 20 |
| 2,4,6-Tribromophenol | 80.40 | | 80.00 | ug/L | 101% | | 12-140 | 20 |
| Nitrobenzene-d5 | 93.13 | | 80.00 | ug/L | 116% | | 10-140 | 20 |
| 2-Fluorobiphenyl | 65.11 | | 80.00 | ug/L | 81% | | 11-140 | 20 |
| Terphenyl-d14 | 70.34 | | 80.00 | ug/L | 88% | | 20-140 | 20 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1239173** | **Batch:** | **365992** |
| **Matrix:** | **Water** | **Method:** | **SM5210B** | **Prep Method:** | **METHOD** |

| QC1239173 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | mg/L | 3.0 | | 03/14/25 19:57 | 03/19/25 19:38 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1239174** | **Batch:** | **365992** |
| **Matrix:** | **Water** | **Method:** | **SM5210B** | **Prep Method:** | **METHOD** |

| QC1239174 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 187.8 | 198.0 | mg/L | 95% | | 84.6-115.4 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1239205** | **Batch:** | **365992** |
| **Matrix (Source ID):** | **Water (528426-005)** | **Method:** | **SM5210B** | **Prep Method:** | **METHOD** |

| QC1239205 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 427.5 | 443.8 | mg/L | | 4 | 30 | 1 |

* Value is outside QC limits

E Response exceeds instrument's linear range

ND Not Detected

NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

| | | |
|---|---|---|
| Lab Job Number | : | 528896 |
| Report Level | : | II |
| Report Date | : | 04/02/2025 |
| **Revision** | : | **1 (See narrative)** |

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - SW - APPENDIX II

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Kate Logan<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 528896<br>SW - APPENDIX II<br>SW - APPENDIX II<br>03/14/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN STAGE 2 | 528896-001 | 03/14/25 13:30 | Water |
| SOUTH BASIN OUTLET | 528896-002 | 03/14/25 13:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528896<br>Project No: SW - APPENDIX II<br>Location: SW - APPENDIX II<br>Date Received: 03/14/25 |

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/14/25. The samples were received cold and intact.
- This report was revised on 04/02/25 to include subcontracted 8141 data.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recoveries were observed for a number of analytes in the MS for batch 366040; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS (EPA 8270C):**

No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**

- SOUTH BASIN STAGE 2 (lab # 528896-001) and SOUTH BASIN OUTLET (lab # 528896-002) were diluted due to the dark color of the sample extracts.
- No other analytical problems were encountered.

**Pesticides (EPA 8081A):**

- High recovery was observed for delta-BHC in the BS for batch 366212; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples.
- SOUTH BASIN STAGE 2 (lab # 528896-001) and SOUTH BASIN OUTLET (lab # 528896-002) were diluted due to the color of the sample extracts.
- No other analytical problems were encountered.

**PCBs (EPA 8082):**

- SOUTH BASIN STAGE 2 (lab # 528896-001) and SOUTH BASIN OUTLET (lab # 528896-002) were treated with sulfuric acid to reduce analytical interferences or due to the presence of color.
- SOUTH BASIN STAGE 2 (lab # 528896-001) and SOUTH BASIN OUTLET (lab # 528896-002) were diluted due to the color of the sample extracts.
- No other analytical problems were encountered.

**Metals (EPA 200.8 and EPA 245.1):**

No analytical problems were encountered.

**Total Phenolics (EPA 420.1):**

No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**

No analytical problems were encountered.

**Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):**
No analytical problems were encountered.

**Organophosphorus Pesticides (EPA 8141A):**
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

**8151A Chlorinated Herbicides (EPA 8151A):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

**Dioxins & Furans (EPA 8290):**
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 528896

Page: 3 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

**Analysis Request**

**Test Instructions / Commen**

APPENDIX II

8.5 → 8.6

IR II

Email report to:

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | TOTAL METALS | 8260 + APPENDIX II | RSK 175 CO2, 8260 ACROLE/ACRYLONITRILE | 8260 +APP II, 8081/8082, 8184 8551,8290, 2,3 | CYNAIDE | PHENOLS | SULFIDE | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN STAGE 2 | 03/14/25 | 1330 | W | 17 | 6,2,4,1 | X | X | X | X | X | X | X | | | | |
| 2 | SOUTH BASIN OUTLET | 03/14/25 | 1300 | W | 17 | 6,2,4,1 | X | X | X | X | X | X | X | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

Login 528896

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Matt Tuggle | CTEH | 3/14/25 18:00 |
| [1] Received By: | Hone | HOSS Darabi | EA | 3/14/25 18:0. |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 03/14/25 WO# 528896 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 03/14/25 By (initials) HXD Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR11 CF: 0

Cooler Temp (°C) #1: 8.5 / 8.0 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | X | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 03/14/25 **By (print)** FPDIWA **(sign)** _____

**Date Labeled** 03/14/25 **By (print)** MSK/DEP/SQR **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 528896

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528896
Project No: SW - APPENDIX II
Location: SW - APPENDIX II
Date Received: 03/14/25

**Sample ID: SOUTH BASIN STAGE 2** **Lab ID: 528896-001** **Collected: 03/14/25 13:30**
**Matrix: Water**

| 528896-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Tin | ND | | ug/L | 5.0 | 0.50 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Antimony | **0.83** | J | ug/L | 2.0 | 0.31 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Arsenic | **6.0** | | ug/L | 2.0 | 0.38 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Barium | **56** | | ug/L | 5.0 | 0.46 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Beryllium | **0.079** | J | ug/L | 1.0 | 0.062 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Cadmium | **0.11** | J | ug/L | 1.0 | 0.095 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Chromium | **4.4** | J | ug/L | 5.0 | 0.24 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Cobalt | **2.2** | | ug/L | 1.0 | 0.068 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Copper | **7.1** | | ug/L | 3.0 | 0.71 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Lead | **2.7** | J | ug/L | 5.0 | 0.18 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Nickel | **6.7** | | ug/L | 5.0 | 0.74 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Selenium | **1.7** | J | ug/L | 2.0 | 1.6 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Silver | ND | | ug/L | 5.0 | 0.50 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Thallium | ND | | ug/L | 1.0 | 0.20 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Vanadium | **7.5** | | ug/L | 5.0 | 0.26 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Zinc | **21** | | ug/L | 10 | 7.4 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | ND | | ug/L | 0.40 | 0.032 | 1 | 366122 | 03/17/25 | 03/17/25 | MLL |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | **0.011** | J | mg/L | 0.014 | 0.0064 | 1.4 | 366250 | 03/18/25 | 03/18/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.9 | 0.4 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| beta-BHC | ND | | ug/L | 0.9 | 0.4 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| gamma-BHC | ND | | ug/L | 0.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| delta-BHC | ND | | ug/L | 0.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Heptachlor | ND | | ug/L | 0.9 | 0.2 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aldrin | ND | | ug/L | 0.9 | 0.4 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Heptachlor epoxide | ND | | ug/L | 0.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endosulfan I | ND | | ug/L | 0.9 | 0.4 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Dieldrin | ND | | ug/L | 1.9 | 0.2 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| 4,4'-DDE | ND | | ug/L | 1.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endrin | ND | | ug/L | 1.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endosulfan II | ND | | ug/L | 1.9 | 0.4 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endosulfan sulfate | ND | | ug/L | 1.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| 4,4'-DDD | ND | | ug/L | 1.9 | 0.5 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endrin aldehyde | ND | | ug/L | 1.9 | 0.5 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endrin ketone | ND | | ug/L | 1.9 | 0.5 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |



Results for any subcontracted analyses are not included in this section.

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# Analysis Results for 528896

| 528896-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | ND | | ug/L | 1.9 | 0.7 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Methoxychlor | ND | | ug/L | 1.9 | 1.2 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Toxaphene | ND | | ug/L | 38 | 15 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Chlordane (Technical) | ND | | ug/L | 19 | 4.9 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| TCMX | | DO | %REC | 14-120 | | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Decachlorobiphenyl | | DO | %REC | 20-120 | | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 4.7 | 3.5 | 9.4 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1221 | ND | | ug/L | 4.7 | 3.8 | 9.4 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1232 | ND | | ug/L | 4.7 | 3.4 | 9.4 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1242 | ND | | ug/L | 4.7 | 3.3 | 9.4 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1248 | ND | | ug/L | 4.7 | 3.2 | 9.4 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1254 | ND | | ug/L | 4.7 | 1.7 | 9.4 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1260 | ND | | ug/L | 4.7 | 4.2 | 9.4 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1262 | ND | | ug/L | 4.7 | 3.7 | 9.4 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1268 | ND | | ug/L | 4.7 | 2.4 | 9.4 | 366212 | 03/18/25 | 03/18/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 39% | | %REC | 18-126 | | 9.4 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.7 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.6 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Ethanol | ND | | ug/L | 500 | 250 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.8 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Isopropanol (IPA) | ND | | ug/L | 200 | 64 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 2.5 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.7 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Iodomethane | ND | | ug/L | 5.8 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Acetone | **170** | | ug/L | 100 | 44 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 2-Butanone | **27** | | ug/L | 10 | 2.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Chloroform | **0.4** | J | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528896

| 528896-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 0.9 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| para-Isopropyl Toluene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| TIC:Borane-methyl sulfide complex | **4.1** | J | ug/L | | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |

| Surrogates | Limits |
|---|---|



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528896

| 528896-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Toluene-d8 | 94% | | %REC | 70-130 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 1.9 | 0.70 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| 2-Methylnaphthalene | ND | | ug/L | 1.9 | 0.91 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Naphthalene | ND | | ug/L | 1.9 | 0.77 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Acenaphthylene | ND | | ug/L | 1.9 | 0.79 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Acenaphthene | ND | | ug/L | 1.9 | 0.66 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Fluorene | ND | | ug/L | 1.9 | 0.62 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Phenanthrene | ND | | ug/L | 1.9 | 0.72 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Anthracene | ND | | ug/L | 1.9 | 0.67 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Fluoranthene | ND | | ug/L | 1.9 | 0.66 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Pyrene | ND | | ug/L | 1.9 | 0.62 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Benzo(a)anthracene | ND | | ug/L | 1.9 | 0.56 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Chrysene | ND | | ug/L | 1.9 | 0.61 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Benzo(b)fluoranthene | ND | | ug/L | 1.9 | 0.61 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Benzo(k)fluoranthene | ND | | ug/L | 1.9 | 0.62 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Benzo(a)pyrene | ND | | ug/L | 1.9 | 0.47 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 1.9 | 0.53 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Dibenz(a,h)anthracene | ND | | ug/L | 1.9 | 0.70 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Benzo(g,h,i)perylene | ND | | ug/L | 1.9 | 0.75 | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 41% | | %REC | 16-125 | | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| 2-Fluorobiphenyl | 43% | | %REC | 17-120 | | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Terphenyl-d14 | 64% | | %REC | 39-123 | | 3.8 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 20 | 4.6 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Pyridine | ND | | ug/L | 20 | 7.7 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| N-Nitrosodimethylamine | ND | | ug/L | 20 | 5.5 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Phenol | ND | | ug/L | 20 | 7.1 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Aniline | ND | | ug/L | 20 | 9.0 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| bis(2-Chloroethyl)ether | ND | | ug/L | 50 | 6.2 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Chlorophenol | ND | | ug/L | 20 | 5.6 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 1,3-Dichlorobenzene | ND | | ug/L | 20 | 6.6 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 1,4-Dichlorobenzene | ND | | ug/L | 20 | 6.7 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzyl alcohol | ND | | ug/L | 20 | 12 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 1,2-Dichlorobenzene | ND | | ug/L | 20 | 6.6 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Methylphenol | ND | | ug/L | 20 | 6.4 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 20 | 5.6 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 3-,4-Methylphenol | ND | | ug/L | 20 | 5.3 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 20 | 7.7 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Hexachloroethane | ND | | ug/L | 20 | 7.7 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Nitrobenzene | ND | | ug/L | 50 | 13 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Isophorone | ND | | ug/L | 20 | 3.8 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Nitrophenol | ND | | ug/L | 20 | 11 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4-Dimethylphenol | ND | | ug/L | 20 | 8.8 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzoic acid | ND | | ug/L | 100 | 39 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528896

| 528896-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| bis(2-Chloroethoxy)methane | ND | | ug/L | 20 | 4.5 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4-Dichlorophenol | ND | | ug/L | 20 | 5.5 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 20 | 5.2 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Naphthalene | ND | | ug/L | 20 | 5.4 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4-Chloroaniline | ND | | ug/L | 20 | 4.6 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Hexachlorobutadiene | ND | | ug/L | 20 | 7.9 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4-Chloro-3-methylphenol | ND | | ug/L | 20 | 5.5 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 20 | 4.9 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Hexachlorocyclopentadiene | ND | | ug/L | 50 | 9.7 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4,6-Trichlorophenol | ND | | ug/L | 20 | 4.5 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4,5-Trichlorophenol | ND | | ug/L | 20 | 5.5 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Chloronaphthalene | ND | | ug/L | 20 | 4.8 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Nitroaniline | ND | | ug/L | 100 | 7.4 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Dimethylphthalate | ND | | ug/L | 20 | 6.3 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Acenaphthylene | ND | | ug/L | 20 | 4.5 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,6-Dinitrotoluene | ND | | ug/L | 20 | 7.4 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 3-Nitroaniline | ND | | ug/L | 20 | 3.7 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Acenaphthene | ND | | ug/L | 20 | 5.2 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4-Dinitrophenol | ND | | ug/L | 100 | 7.0 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4-Nitrophenol | ND | | ug/L | 20 | 3.0 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Dibenzofuran | ND | | ug/L | 20 | 4.4 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4-Dinitrotoluene | ND | | ug/L | 20 | 6.2 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Diethylphthalate | ND | | ug/L | 20 | 5.6 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Fluorene | ND | | ug/L | 20 | 4.3 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 20 | 4.9 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4-Nitroaniline | ND | | ug/L | 20 | 5.7 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 100 | 6.3 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| N-Nitrosodiphenylamine | ND | | ug/L | 20 | 7.8 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 20 | 4.6 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4-Bromophenyl-phenylether | ND | | ug/L | 20 | 4.7 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Hexachlorobenzene | ND | | ug/L | 20 | 4.9 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Pentachlorophenol | ND | | ug/L | 50 | 5.1 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Phenanthrene | ND | | ug/L | 20 | 5.1 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Anthracene | ND | | ug/L | 20 | 4.3 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Di-n-butylphthalate | ND | | ug/L | 20 | 4.8 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Fluoranthene | ND | | ug/L | 20 | 5.2 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzidine | ND | | ug/L | 100 | 31 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Pyrene | ND | | ug/L | 20 | 4.8 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Butylbenzylphthalate | ND | | ug/L | 20 | 5.1 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 50 | 5.8 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 20 | 4.3 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Chrysene | ND | | ug/L | 20 | 5.0 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| bis(2-Ethylhexyl)phthalate | **6.5** | J | ug/L | 20 | 5.5 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Di-n-octylphthalate | ND | | ug/L | 20 | 9.5 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 20 | 4.7 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 20 | 4.8 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzo(a)pyrene | ND | | ug/L | 20 | 4.4 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 20 | 11 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 20 | 15 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 20 | 7.0 | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528896

| 528896-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:Acetophenone | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:Chlorobenzilate | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:Diallate | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:Thionazin | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 36% | | %REC | 10-140 | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Phenol-d6 | 26% | | %REC | 10-140 | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4,6-Tribromophenol | 98% | | %REC | 12-140 | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Nitrobenzene-d5 | 62% | | %REC | 10-140 | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Fluorobiphenyl | 59% | | %REC | 11-140 | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Terphenyl-d14 | 94% | | %REC | 20-140 | | 2 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 0.5 | 366177 | 03/17/25 | 03/18/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366066 | 03/15/25 | 03/15/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528896

| Sample ID: SOUTH BASIN OUTLET | Lab ID: 528896-002 | Collected: 03/14/25 13:00 |
|---|---|---|
| | Matrix: Water | |

| 528896-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Tin | ND | | ug/L | 5.0 | 0.50 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Antimony | **1.6** | J | ug/L | 2.0 | 0.31 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Arsenic | **6.6** | | ug/L | 2.0 | 0.38 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Barium | **57** | | ug/L | 5.0 | 0.46 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Beryllium | **0.067** | J | ug/L | 1.0 | 0.062 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Cadmium | **0.11** | J | ug/L | 1.0 | 0.095 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Chromium | **3.8** | J | ug/L | 5.0 | 0.24 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Cobalt | **2.1** | | ug/L | 1.0 | 0.068 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Copper | **5.8** | | ug/L | 3.0 | 0.71 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Lead | **2.3** | J | ug/L | 5.0 | 0.18 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Nickel | **6.6** | | ug/L | 5.0 | 0.74 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Selenium | **1.7** | J | ug/L | 2.0 | 1.6 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Silver | ND | | ug/L | 5.0 | 0.50 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Thallium | ND | | ug/L | 1.0 | 0.20 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Vanadium | **7.1** | | ug/L | 5.0 | 0.26 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Zinc | **39** | | ug/L | 10 | 7.4 | 1 | 366121 | 03/17/25 | 03/18/25 | KAM |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | ND | | ug/L | 0.40 | 0.032 | 1 | 366122 | 03/17/25 | 03/17/25 | MLL |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 1 | 366646 | 03/21/25 | 03/21/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.9 | 0.4 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| beta-BHC | ND | | ug/L | 0.9 | 0.4 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| gamma-BHC | ND | | ug/L | 0.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| delta-BHC | ND | | ug/L | 0.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Heptachlor | ND | | ug/L | 0.9 | 0.2 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aldrin | ND | | ug/L | 0.9 | 0.4 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Heptachlor epoxide | ND | | ug/L | 0.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endosulfan I | ND | | ug/L | 0.9 | 0.4 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Dieldrin | ND | | ug/L | 1.9 | 0.2 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| 4,4'-DDE | ND | | ug/L | 1.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endrin | ND | | ug/L | 1.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endosulfan II | ND | | ug/L | 1.9 | 0.4 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endosulfan sulfate | ND | | ug/L | 1.9 | 0.3 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| 4,4'-DDD | ND | | ug/L | 1.9 | 0.5 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endrin aldehyde | ND | | ug/L | 1.9 | 0.5 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Endrin ketone | ND | | ug/L | 1.9 | 0.5 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| 4,4'-DDT | ND | | ug/L | 1.9 | 0.7 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Methoxychlor | ND | | ug/L | 1.9 | 1.2 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Toxaphene | ND | | ug/L | 37 | 15 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Chlordane (Technical) | ND | | ug/L | 19 | 4.8 | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528896

| 528896-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TCMX | | DO | %REC | 14-120 | | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Decachlorobiphenyl | | DO | %REC | 20-120 | | 19 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 4.7 | 3.5 | 9.3 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1221 | ND | | ug/L | 4.7 | 3.8 | 9.3 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1232 | ND | | ug/L | 4.7 | 3.3 | 9.3 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1242 | ND | | ug/L | 4.7 | 3.2 | 9.3 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1248 | ND | | ug/L | 4.7 | 3.2 | 9.3 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1254 | ND | | ug/L | 4.7 | 1.7 | 9.3 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1260 | ND | | ug/L | 4.7 | 4.2 | 9.3 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1262 | ND | | ug/L | 4.7 | 3.7 | 9.3 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Aroclor-1268 | ND | | ug/L | 4.7 | 2.4 | 9.3 | 366212 | 03/18/25 | 03/18/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 36% | | %REC | 18-126 | | 9.3 | 366212 | 03/18/25 | 03/18/25 | XLY |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.7 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.6 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Ethanol | ND | | ug/L | 500 | 250 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.8 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Isopropanol (IPA) | **76** | J | ug/L | 200 | 64 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 2.5 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.7 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Iodomethane | ND | | ug/L | 5.8 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Acetone | **170** | | ug/L | 100 | 44 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 2-Butanone | **28** | | ug/L | 10 | 2.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Chloroform | **0.3** | J | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528896

| 528896-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 0.9 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| para-Isopropyl Toluene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| TIC:Borane-methyl sulfide complex | **3.5** | J | ug/L | | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| 1,2-Dichloroethane-d4 | 103% | | %REC | 70-130 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 366040 | 03/15/25 | 03/15/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528896

| 528896-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 4.7 | 1.7 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| 2-Methylnaphthalene | ND | | ug/L | 4.7 | 2.3 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Naphthalene | ND | | ug/L | 4.7 | 1.9 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Acenaphthylene | ND | | ug/L | 4.7 | 2.0 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Acenaphthene | ND | | ug/L | 4.7 | 1.6 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Fluorene | ND | | ug/L | 4.7 | 1.6 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Phenanthrene | ND | | ug/L | 4.7 | 1.8 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Anthracene | ND | | ug/L | 4.7 | 1.7 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Fluoranthene | ND | | ug/L | 4.7 | 1.6 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Pyrene | ND | | ug/L | 4.7 | 1.5 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Benzo(a)anthracene | ND | | ug/L | 4.7 | 1.4 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Chrysene | ND | | ug/L | 4.7 | 1.5 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Benzo(b)fluoranthene | ND | | ug/L | 4.7 | 1.5 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Benzo(k)fluoranthene | ND | | ug/L | 4.7 | 1.5 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Benzo(a)pyrene | ND | | ug/L | 4.7 | 1.2 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 4.7 | 1.3 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Dibenz(a,h)anthracene | ND | | ug/L | 4.7 | 1.8 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Benzo(g,h,i)perylene | ND | | ug/L | 4.7 | 1.9 | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 60% | | %REC | 16-125 | | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| 2-Fluorobiphenyl | 65% | | %REC | 17-120 | | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Terphenyl-d14 | 87% | | %REC | 39-123 | | 9.4 | 366091 | 03/16/25 | 03/16/25 | TJW |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 9.5 | 2.2 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Pyridine | ND | | ug/L | 9.5 | 3.7 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| N-Nitrosodimethylamine | ND | | ug/L | 9.5 | 2.6 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Phenol | ND | | ug/L | 9.5 | 3.4 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Aniline | ND | | ug/L | 9.5 | 4.3 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| bis(2-Chloroethyl)ether | ND | | ug/L | 24 | 3.0 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Chlorophenol | ND | | ug/L | 9.5 | 2.7 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 1,3-Dichlorobenzene | ND | | ug/L | 9.5 | 3.2 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 1,4-Dichlorobenzene | ND | | ug/L | 9.5 | 3.2 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzyl alcohol | ND | | ug/L | 9.5 | 5.5 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 1,2-Dichlorobenzene | ND | | ug/L | 9.5 | 3.1 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Methylphenol | ND | | ug/L | 9.5 | 3.0 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 9.5 | 2.7 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 3-,4-Methylphenol | ND | | ug/L | 9.5 | 2.5 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 9.5 | 3.7 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Hexachloroethane | ND | | ug/L | 9.5 | 3.7 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Nitrobenzene | ND | | ug/L | 24 | 6.1 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Isophorone | ND | | ug/L | 9.5 | 1.8 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Nitrophenol | ND | | ug/L | 9.5 | 5.3 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4-Dimethylphenol | ND | | ug/L | 9.5 | 4.2 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzoic acid | ND | | ug/L | 48 | 18 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 9.5 | 2.2 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4-Dichlorophenol | ND | | ug/L | 9.5 | 2.6 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 9.5 | 2.5 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Naphthalene | ND | | ug/L | 9.5 | 2.6 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528896

| 528896-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Chloroaniline | ND | | ug/L | 9.5 | 2.2 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Hexachlorobutadiene | ND | | ug/L | 9.5 | 3.8 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4-Chloro-3-methylphenol | ND | | ug/L | 9.5 | 2.6 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Methylnaphthalene | ND | | ug/L | 9.5 | 2.3 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Hexachlorocyclopentadiene | ND | | ug/L | 24 | 4.6 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4,6-Trichlorophenol | ND | | ug/L | 9.5 | 2.1 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4,5-Trichlorophenol | ND | | ug/L | 9.5 | 2.6 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Chloronaphthalene | ND | | ug/L | 9.5 | 2.3 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Nitroaniline | ND | | ug/L | 48 | 3.5 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Dimethylphthalate | ND | | ug/L | 9.5 | 3.0 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Acenaphthylene | ND | | ug/L | 9.5 | 2.1 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,6-Dinitrotoluene | ND | | ug/L | 9.5 | 3.5 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 3-Nitroaniline | ND | | ug/L | 9.5 | 1.8 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Acenaphthene | ND | | ug/L | 9.5 | 2.5 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4-Dinitrophenol | ND | | ug/L | 48 | 3.3 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4-Nitrophenol | ND | | ug/L | 9.5 | 1.4 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Dibenzofuran | ND | | ug/L | 9.5 | 2.1 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4-Dinitrotoluene | ND | | ug/L | 9.5 | 3.0 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Diethylphthalate | ND | | ug/L | 9.5 | 2.7 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Fluorene | ND | | ug/L | 9.5 | 2.0 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 9.5 | 2.3 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4-Nitroaniline | ND | | ug/L | 9.5 | 2.7 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 48 | 3.0 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| N-Nitrosodiphenylamine | ND | | ug/L | 9.5 | 3.7 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 9.5 | 2.2 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 4-Bromophenyl-phenylether | ND | | ug/L | 9.5 | 2.2 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Hexachlorobenzene | ND | | ug/L | 9.5 | 2.3 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Pentachlorophenol | ND | | ug/L | 24 | 2.4 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Phenanthrene | ND | | ug/L | 9.5 | 2.4 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Anthracene | ND | | ug/L | 9.5 | 2.0 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Di-n-butylphthalate | ND | | ug/L | 9.5 | 2.3 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Fluoranthene | ND | | ug/L | 9.5 | 2.5 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzidine | ND | | ug/L | 48 | 15 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Pyrene | ND | | ug/L | 9.5 | 2.3 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Butylbenzylphthalate | ND | | ug/L | 9.5 | 2.5 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 24 | 2.8 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzo(a)anthracene | ND | | ug/L | 9.5 | 2.0 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Chrysene | ND | | ug/L | 9.5 | 2.4 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| bis(2-Ethylhexyl)phthalate | **3.0** | J | ug/L | 9.5 | 2.6 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Di-n-octylphthalate | ND | | ug/L | 9.5 | 4.5 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzo(b)fluoranthene | ND | | ug/L | 9.5 | 2.2 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzo(k)fluoranthene | ND | | ug/L | 9.5 | 2.3 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzo(a)pyrene | ND | | ug/L | 9.5 | 2.1 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 9.5 | 5.1 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Dibenz(a,h)anthracene | ND | | ug/L | 9.5 | 7.2 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Benzo(g,h,i)perylene | ND | | ug/L | 9.5 | 3.3 | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:Acetophenone | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528896

| 528896-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:Chlorobenzilate | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:Diallate | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:Thionazin | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 34% | | %REC | 10-140 | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Phenol-d6 | 24% | | %REC | 10-140 | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2,4,6-Tribromophenol | 94% | | %REC | 12-140 | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Nitrobenzene-d5 | 56% | | %REC | 10-140 | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| 2-Fluorobiphenyl | 55% | | %REC | 11-140 | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Terphenyl-d14 | 92% | | %REC | 20-140 | | 0.95 | 366077 | 03/17/25 | 03/18/25 | XLY |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 0.5 | 366177 | 03/17/25 | 03/18/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366066 | 03/15/25 | 03/15/25 | DXA |

DO Diluted Out
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1239630** | **Batch:** | **366121** |
| **Matrix:** | **Water** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1239630 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Tin | ND | | ug/L | 5.0 | 0.50 | 03/17/25 | 03/17/25 |
| Antimony | ND | | ug/L | 2.0 | 0.31 | 03/17/25 | 03/17/25 |
| Arsenic | ND | | ug/L | 2.0 | 0.38 | 03/17/25 | 03/17/25 |
| Barium | ND | | ug/L | 5.0 | 0.46 | 03/17/25 | 03/17/25 |
| Cadmium | ND | | ug/L | 1.0 | 0.095 | 03/17/25 | 03/17/25 |
| Chromium | ND | | ug/L | 5.0 | 0.24 | 03/17/25 | 03/17/25 |
| Lead | ND | | ug/L | 5.0 | 0.18 | 03/17/25 | 03/17/25 |
| Nickel | ND | | ug/L | 5.0 | 0.74 | 03/17/25 | 03/17/25 |
| Selenium | ND | | ug/L | 2.0 | 1.6 | 03/17/25 | 03/17/25 |
| Thallium | ND | | ug/L | 1.0 | 0.20 | 03/17/25 | 03/17/25 |
| Vanadium | ND | | ug/L | 5.0 | 0.26 | 03/17/25 | 03/17/25 |
| Zinc | ND | | ug/L | 10 | 7.4 | 03/17/25 | 03/17/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1239631** | **Batch:** | **366121** |
| **Matrix:** | **Water** | **Method:** | **EPA 200.8** | **Prep Method:** | **EPA 3015A** |

| QC1239631 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Tin | 97.68 | 100.0 | ug/L | 98% | | 85-115 |
| Antimony | 106.5 | 100.0 | ug/L | 106% | | 85-115 |
| Arsenic | 100.1 | 100.0 | ug/L | 100% | | 85-115 |
| Barium | 97.26 | 100.0 | ug/L | 97% | | 85-115 |
| Cadmium | 99.80 | 100.0 | ug/L | 100% | | 85-115 |
| Chromium | 101.6 | 100.0 | ug/L | 102% | | 85-115 |
| Lead | 99.65 | 100.0 | ug/L | 100% | | 85-115 |
| Nickel | 104.6 | 100.0 | ug/L | 105% | | 85-115 |
| Selenium | 99.92 | 100.0 | ug/L | 100% | | 85-115 |
| Thallium | 99.36 | 100.0 | ug/L | 99% | | 85-115 |
| Vanadium | 100.3 | 100.0 | ug/L | 100% | | 85-115 |
| Zinc | 101.4 | 100.0 | ug/L | 101% | | 85-115 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1239632 | Batch: | 366121 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528849-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1239632 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 100.1 | ND | 100.0 | ug/L | 100% | | 70-130 | 25 |
| Antimony | 106.6 | 0.3210 | 100.0 | ug/L | 106% | | 70-130 | 25 |
| Arsenic | 104.1 | ND | 100.0 | ug/L | 104% | | 70-130 | 25 |
| Barium | 107.5 | 6.400 | 100.0 | ug/L | 101% | | 70-130 | 25 |
| Cadmium | 99.03 | ND | 100.0 | ug/L | 99% | | 70-130 | 25 |
| Chromium | 110.6 | 0.3380 | 100.0 | ug/L | 110% | | 70-130 | 25 |
| Lead | 110.5 | 3.527 | 100.0 | ug/L | 107% | | 70-130 | 25 |
| Nickel | 118.1 | 2.445 | 100.0 | ug/L | 116% | | 70-130 | 25 |
| Selenium | 103.8 | ND | 100.0 | ug/L | 104% | | 70-130 | 25 |
| Thallium | 106.1 | ND | 100.0 | ug/L | 106% | | 70-130 | 25 |
| Vanadium | 98.45 | ND | 100.0 | ug/L | 98% | | 70-130 | 25 |
| Zinc | 252.2 | 143.5 | 100.0 | ug/L | 109% | | 70-130 | 25 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239633 | Batch: | 366121 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528849-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1239633 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 98.53 | ND | 100.0 | ug/L | 99% | | 70-130 | 2 | 20 | 25 |
| Antimony | 104.2 | 0.3210 | 100.0 | ug/L | 104% | | 70-130 | 2 | 20 | 25 |
| Arsenic | 102.7 | ND | 100.0 | ug/L | 103% | | 70-130 | 1 | 20 | 25 |
| Barium | 107.4 | 6.400 | 100.0 | ug/L | 101% | | 70-130 | 0 | 20 | 25 |
| Cadmium | 96.95 | ND | 100.0 | ug/L | 97% | | 70-130 | 2 | 20 | 25 |
| Chromium | 107.4 | 0.3380 | 100.0 | ug/L | 107% | | 70-130 | 3 | 20 | 25 |
| Lead | 104.9 | 3.527 | 100.0 | ug/L | 101% | | 70-130 | 5 | 20 | 25 |
| Nickel | 122.7 | 2.445 | 100.0 | ug/L | 120% | | 70-130 | 4 | 20 | 25 |
| Selenium | 95.48 | ND | 100.0 | ug/L | 95% | | 70-130 | 8 | 20 | 25 |
| Thallium | 100.2 | ND | 100.0 | ug/L | 100% | | 70-130 | 6 | 20 | 25 |
| Vanadium | 102.4 | ND | 100.0 | ug/L | 102% | | 70-130 | 4 | 20 | 25 |
| Zinc | 255.1 | 143.5 | 100.0 | ug/L | 112% | | 70-130 | 1 | 20 | 25 |

| Type: | Blank | Lab ID: | QC1239634 | Batch: | 366122 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1239634 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.032 | 03/17/25 | 03/17/25 |

| Type: | Lab Control Sample | Lab ID: | QC1239635 | Batch: | 366122 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1239635 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 5.197 | 5.000 | ug/L | 104% | | 85-115 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1239636 | Batch: | 366122 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528907-001) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1239636 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 5.158 | ND | 5.000 | ug/L | 103% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239637 | Batch: | 366122 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528907-001) | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1239637 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 5.002 | ND | 5.000 | ug/L | 100% | | 75-125 | 3 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1240153 | Batch: | 366250 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 420.1 | Prep Method: | METHOD |

| QC1240153 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 03/18/25 | 03/18/25 |

| Type: | Lab Control Sample | Lab ID: | QC1240154 | Batch: | 366250 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 420.1 | Prep Method: | METHOD |

| QC1240154 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Phenolics | 0.07500 | 0.08000 | mg/L | 94% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1240155 | Batch: | 366250 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 420.1 | Prep Method: | METHOD |

| QC1240155 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Phenolics | 0.07600 | 0.08000 | mg/L | 95% | | 80-120 | 1 | 20 |

| Type: | Blank | Lab ID: | QC1241440 | Batch: | 366646 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 420.1 | Prep Method: | METHOD |

| QC1241440 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 03/21/25 | 03/21/25 |

| Type: | Lab Control Sample | Lab ID: | QC1241441 | Batch: | 366646 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 420.1 | Prep Method: | METHOD |

| QC1241441 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Phenolics | 0.07000 | 0.08000 | mg/L | 88% | | 80-120 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1241442** | **Batch:** | **366646** |
| **Matrix:** | **Water** | **Method:** | **EPA 420.1** | **Prep Method:** | **METHOD** |

| QC1241442 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Phenolics | 0.07500 | 0.08000 | mg/L | 94% | | 80-120 | 7 | 20 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1239957** | **Batch:** | **366212** |
| **Matrix:** | **Water** | **Method:** | **EPA 8081A** | **Prep Method:** | **EPA 3510C** |

| QC1239957 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 03/18/25 | 03/18/25 |
| beta-BHC | ND | | ug/L | 0.05 | 0.02 | 03/18/25 | 03/18/25 |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 03/18/25 | 03/18/25 |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 03/18/25 | 03/18/25 |
| Heptachlor | ND | | ug/L | 0.05 | 0.01 | 03/18/25 | 03/18/25 |
| Aldrin | ND | | ug/L | 0.05 | 0.02 | 03/18/25 | 03/18/25 |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.02 | 03/18/25 | 03/18/25 |
| Endosulfan I | ND | | ug/L | 0.05 | 0.02 | 03/18/25 | 03/18/25 |
| Dieldrin | ND | | ug/L | 0.1 | 0.01 | 03/18/25 | 03/18/25 |
| 4,4'-DDE | ND | | ug/L | 0.1 | 0.02 | 03/18/25 | 03/18/25 |
| Endrin | ND | | ug/L | 0.1 | 0.02 | 03/18/25 | 03/18/25 |
| Endosulfan II | ND | | ug/L | 0.1 | 0.02 | 03/18/25 | 03/18/25 |
| Endosulfan sulfate | ND | | ug/L | 0.1 | 0.02 | 03/18/25 | 03/18/25 |
| 4,4'-DDD | ND | | ug/L | 0.1 | 0.02 | 03/18/25 | 03/18/25 |
| Endrin aldehyde | ND | | ug/L | 0.1 | 0.03 | 03/18/25 | 03/18/25 |
| Endrin ketone | ND | | ug/L | 0.1 | 0.03 | 03/18/25 | 03/18/25 |
| 4,4'-DDT | ND | | ug/L | 0.1 | 0.04 | 03/18/25 | 03/18/25 |
| Methoxychlor | ND | | ug/L | 0.1 | 0.06 | 03/18/25 | 03/18/25 |
| Toxaphene | ND | | ug/L | 2.0 | 0.8 | 03/18/25 | 03/18/25 |
| Chlordane (Technical) | ND | | ug/L | 1.0 | 0.3 | 03/18/25 | 03/18/25 |
| **Surrogates** | | | | **Limits** | | | |
| TCMX | 83% | | %REC | 14-120 | | 03/18/25 | 03/18/25 |
| Decachlorobiphenyl | 109% | | %REC | 20-120 | | 03/18/25 | 03/18/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1239958** | **Batch:** | **366212** |
| **Matrix:** | **Water** | **Method:** | **EPA 8081A** | **Prep Method:** | **EPA 3510C** |

| QC1239958 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| alpha-BHC | 0.5966 | 0.5000 | ug/L | 119% | | 53-120 |
| beta-BHC | 0.5913 | 0.5000 | ug/L | 118% | | 59-120 |
| gamma-BHC | 0.6021 | 0.5000 | ug/L | 120% | | 54-120 |
| delta-BHC | 0.6096 | 0.5000 | ug/L | 122% | * | 58-120 |
| Heptachlor | 0.5340 | 0.5000 | ug/L | 107% | | 49-120 |
| Aldrin | 0.5275 | 0.5000 | ug/L | 105% | | 47-120 |
| Heptachlor epoxide | 0.5471 | 0.5000 | ug/L | 109% | | 53-120 |
| Endosulfan I | 0.5768 | 0.5000 | ug/L | 115% | | 56-120 |
| Dieldrin | 0.5333 | 0.5000 | ug/L | 107% | | 55-120 |
| 4,4'-DDE | 0.5788 | 0.5000 | ug/L | 116% | | 55-120 |
| Endrin | 0.5574 | 0.5000 | ug/L | 111% | | 57-120 |
| Endosulfan II | 0.5604 | 0.5000 | ug/L | 112% | | 58-120 |
| Endosulfan sulfate | 0.5504 | 0.5000 | ug/L | 110% | | 56-120 |
| 4,4'-DDD | 0.5343 | 0.5000 | ug/L | 107% | | 53-120 |
| Endrin aldehyde | 0.5286 | 0.5000 | ug/L | 106% | | 45-120 |
| Endrin ketone | 0.5807 | 0.5000 | ug/L | 116% | | 61-120 |
| 4,4'-DDT | 0.5567 | 0.5000 | ug/L | 111% | | 58-120 |
| Methoxychlor | 0.5859 | 0.5000 | ug/L | 117% | | 54-120 |
| **Surrogates** | | | | | | |
| TCMX | 0.4829 | 0.5000 | ug/L | 97% | | 14-120 |
| Decachlorobiphenyl | 0.5229 | 0.5000 | ug/L | 105% | | 20-120 |

# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1239959 | Batch: | 366212 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8081A | Prep Method: | EPA 3510C |

| QC1239959 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | 0.5726 | 0.5000 | ug/L | 115% | | 53-120 | 4 | 20 |
| beta-BHC | 0.5764 | 0.5000 | ug/L | 115% | | 59-120 | 3 | 20 |
| gamma-BHC | 0.5794 | 0.5000 | ug/L | 116% | | 54-120 | 4 | 20 |
| delta-BHC | 0.5882 | 0.5000 | ug/L | 118% | | 58-120 | 4 | 20 |
| Heptachlor | 0.5187 | 0.5000 | ug/L | 104% | | 49-120 | 3 | 20 |
| Aldrin | 0.5167 | 0.5000 | ug/L | 103% | | 47-120 | 2 | 20 |
| Heptachlor epoxide | 0.5362 | 0.5000 | ug/L | 107% | | 53-120 | 2 | 20 |
| Endosulfan I | 0.5552 | 0.5000 | ug/L | 111% | | 56-120 | 4 | 20 |
| Dieldrin | 0.5354 | 0.5000 | ug/L | 107% | | 55-120 | 0 | 20 |
| 4,4'-DDE | 0.5743 | 0.5000 | ug/L | 115% | | 55-120 | 1 | 20 |
| Endrin | 0.5437 | 0.5000 | ug/L | 109% | | 57-120 | 2 | 20 |
| Endosulfan II | 0.5734 | 0.5000 | ug/L | 115% | | 58-120 | 2 | 20 |
| Endosulfan sulfate | 0.5516 | 0.5000 | ug/L | 110% | | 56-120 | 0 | 20 |
| 4,4'-DDD | 0.5372 | 0.5000 | ug/L | 107% | | 53-120 | 1 | 20 |
| Endrin aldehyde | 0.5351 | 0.5000 | ug/L | 107% | | 45-120 | 1 | 20 |
| Endrin ketone | 0.5848 | 0.5000 | ug/L | 117% | | 61-120 | 1 | 20 |
| 4,4'-DDT | 0.5617 | 0.5000 | ug/L | 112% | | 58-120 | 1 | 20 |
| Methoxychlor | 0.5879 | 0.5000 | ug/L | 118% | | 54-120 | 0 | 20 |
| **Surrogates** | | | | | | | | |
| TCMX | 0.4454 | 0.5000 | ug/L | 89% | | 14-120 | | |
| Decachlorobiphenyl | 0.5264 | 0.5000 | ug/L | 105% | | 20-120 | | |

| Type: | Lab Control Sample | Lab ID: | QC1239966 | Batch: | 366212 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1239966 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 4.833 | 5.000 | ug/L | 97% | | 36-143 |
| Aroclor-1260 | 5.033 | 5.000 | ug/L | 101% | | 31-153 |
| **Surrogates** | | | | | | |
| Decachlorobiphenyl (PCB) | 0.4791 | 0.5000 | ug/L | 96% | | 18-126 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1239967 | Batch: | 366212 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1239967 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 4.896 | 5.000 | ug/L | 98% | | 36-143 | 1 | 39 |
| Aroclor-1260 | 5.208 | 5.000 | ug/L | 104% | | 31-153 | 3 | 20 |
| **Surrogates** | | | | | | | | |
| Decachlorobiphenyl (PCB) | 0.5119 | 0.5000 | ug/L | 102% | | 18-126 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1239330** | **Batch:** | **366040** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1239330 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 52.58 | 50.00 | ug/L | 105% | | 70-135 |
| MTBE | 43.40 | 50.00 | ug/L | 87% | | 70-130 |
| Benzene | 46.24 | 50.00 | ug/L | 92% | | 70-130 |
| Trichloroethene | 48.46 | 50.00 | ug/L | 97% | | 70-130 |
| Toluene | 47.20 | 50.00 | ug/L | 94% | | 70-130 |
| Chlorobenzene | 49.45 | 50.00 | ug/L | 99% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 52.46 | 50.00 | ug/L | 105% | | 70-130 |
| 1,2-Dichloroethane-d4 | 52.26 | 50.00 | ug/L | 105% | | 70-130 |
| Toluene-d8 | 48.03 | 50.00 | ug/L | 96% | | 70-130 |
| Bromofluorobenzene | 48.82 | 50.00 | ug/L | 98% | | 70-130 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1239331** | **Batch:** | **366040** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1239331 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 52.11 | 50.00 | ug/L | 104% | | 70-135 | 1 | 30 |
| MTBE | 45.47 | 50.00 | ug/L | 91% | | 70-130 | 5 | 30 |
| Benzene | 47.20 | 50.00 | ug/L | 94% | | 70-130 | 2 | 30 |
| Trichloroethene | 49.05 | 50.00 | ug/L | 98% | | 70-130 | 1 | 30 |
| Toluene | 47.94 | 50.00 | ug/L | 96% | | 70-130 | 2 | 30 |
| Chlorobenzene | 49.45 | 50.00 | ug/L | 99% | | 70-130 | 0 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.14 | 50.00 | ug/L | 104% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 52.11 | 50.00 | ug/L | 104% | | 70-130 | | |
| Toluene-d8 | 48.45 | 50.00 | ug/L | 97% | | 70-130 | | |
| Bromofluorobenzene | 50.55 | 50.00 | ug/L | 101% | | 70-130 | | |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1239333** | **Batch:** | **366040** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1239333 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.7 | 03/15/25 | 03/15/25 |
| Chloroprene | ND | | ug/L | 200 | 0.6 | 03/15/25 | 03/15/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 03/15/25 | 03/15/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.3 | 03/15/25 | 03/15/25 |
| Ethanol | ND | | ug/L | 500 | 250 | 03/15/25 | 03/15/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.8 | 03/15/25 | 03/15/25 |
| Isopropanol (IPA) | ND | | ug/L | 200 | 64 | 03/15/25 | 03/15/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.2 | 03/15/25 | 03/15/25 |
| Vinyl Acetate | ND | | ug/L | 50 | 2.5 | 03/15/25 | 03/15/25 |
| Acrolein | ND | | ug/L | 200 | 2.2 | 03/15/25 | 03/15/25 |
| Acrylonitrile | ND | | ug/L | 10 | 0.7 | 03/15/25 | 03/15/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 03/15/25 | 03/15/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/15/25 | 03/15/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 03/15/25 | 03/15/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Iodomethane | ND | | ug/L | 5.8 | | 03/15/25 | 03/15/25 |
| Acetone | ND | | ug/L | 100 | 44 | 03/15/25 | 03/15/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 03/15/25 | 03/15/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 03/15/25 | 03/15/25 |
| 2-Butanone | ND | | ug/L | 10 | 2.3 | 03/15/25 | 03/15/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 03/15/25 | 03/15/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 0.9 | 03/15/25 | 03/15/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 03/15/25 | 03/15/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |

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## Batch QC

| QC1239333 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 03/15/25 | 03/15/25 |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 03/15/25 | 03/15/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/15/25 | 03/15/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/15/25 | 03/15/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/15/25 | 03/15/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 03/15/25 | 03/15/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/15/25 | 03/15/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/15/25 | 03/15/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/15/25 | 03/15/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 03/15/25 | 03/15/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/15/25 | 03/15/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 03/15/25 | 03/15/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 03/15/25 | 03/15/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 03/15/25 | 03/15/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 03/15/25 | 03/15/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 03/15/25 | 03/15/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/15/25 | 03/15/25 |
| TIC: | ND | | | | | 03/15/25 | 03/15/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 03/15/25 | 03/15/25 |
| 1,2-Dichloroethane-d4 | 102% | | %REC | 70-130 | | 03/15/25 | 03/15/25 |
| Toluene-d8 | 96% | | %REC | 70-130 | | 03/15/25 | 03/15/25 |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 03/15/25 | 03/15/25 |

# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1239394 | Batch: | 366040 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528639-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1239394 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 12.76 | ND | 20.00 | ug/L | 64% | * | 70-130 | 1 |
| MTBE | 12.40 | ND | 20.00 | ug/L | 62% | * | 75-130 | 1 |
| Benzene | 12.31 | ND | 20.00 | ug/L | 62% | * | 70-130 | 1 |
| Trichloroethene | 13.25 | ND | 20.00 | ug/L | 66% | | 63-130 | 1 |
| Toluene | 12.54 | ND | 20.00 | ug/L | 63% | * | 70-130 | 1 |
| Chlorobenzene | 13.37 | ND | 20.00 | ug/L | 67% | * | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.62 | | 50.00 | ug/L | 105% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 47.89 | | 50.00 | ug/L | 96% | | 70-130 | 1 |
| Toluene-d8 | 48.19 | | 50.00 | ug/L | 96% | | 70-130 | 1 |
| Bromofluorobenzene | 48.90 | | 50.00 | ug/L | 98% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239395 | Batch: | 366040 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528639-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1239395 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 15.17 | ND | 20.00 | ug/L | 76% | | 70-130 | 17 | 30 | 1 |
| MTBE | 14.96 | ND | 20.00 | ug/L | 75% | | 75-130 | 19 | 30 | 1 |
| Benzene | 14.90 | ND | 20.00 | ug/L | 74% | | 70-130 | 19 | 30 | 1 |
| Trichloroethene | 16.15 | ND | 20.00 | ug/L | 81% | | 63-130 | 20 | 30 | 1 |
| Toluene | 15.12 | ND | 20.00 | ug/L | 76% | | 70-130 | 19 | 30 | 1 |
| Chlorobenzene | 15.67 | ND | 20.00 | ug/L | 78% | | 70-130 | 16 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 52.45 | | 50.00 | ug/L | 105% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 50.88 | | 50.00 | ug/L | 102% | | 70-130 | | | 1 |
| Toluene-d8 | 48.13 | | 50.00 | ug/L | 96% | | 70-130 | | | 1 |
| Bromofluorobenzene | 49.43 | | 50.00 | ug/L | 99% | | 70-130 | | | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1239479 | Batch: 366077 |
|---|---|---|
| Matrix: Water | Method: EPA 8270C | Prep Method: EPA 3510C |

| QC1239479 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbazole | ND | | ug/L | 10 | 0.91 | 03/16/25 | 03/16/25 |
| Pyridine | ND | | ug/L | 10 | 3.6 | 03/16/25 | 03/16/25 |
| N-Nitrosodimethylamine | ND | | ug/L | 10 | 1.2 | 03/16/25 | 03/16/25 |
| Phenol | ND | | ug/L | 10 | 1.0 | 03/16/25 | 03/16/25 |
| Aniline | ND | | ug/L | 10 | 1.8 | 03/16/25 | 03/16/25 |
| bis(2-Chloroethyl)ether | ND | | ug/L | 25 | 1.6 | 03/16/25 | 03/16/25 |
| 2-Chlorophenol | ND | | ug/L | 10 | 1.5 | 03/16/25 | 03/16/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 10 | 1.5 | 03/16/25 | 03/16/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 10 | 1.6 | 03/16/25 | 03/16/25 |
| Benzyl alcohol | ND | | ug/L | 11 | 11 | 03/16/25 | 03/16/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 10 | 1.4 | 03/16/25 | 03/16/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 1.6 | 03/16/25 | 03/16/25 |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 10 | 1.4 | 03/16/25 | 03/16/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 1.8 | 03/16/25 | 03/16/25 |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 10 | 1.7 | 03/16/25 | 03/16/25 |
| Hexachloroethane | ND | | ug/L | 10 | 2.2 | 03/16/25 | 03/16/25 |
| Nitrobenzene | ND | | ug/L | 25 | 12 | 03/16/25 | 03/16/25 |
| Isophorone | ND | | ug/L | 10 | 1.7 | 03/16/25 | 03/16/25 |
| 2-Nitrophenol | ND | | ug/L | 10 | 7.1 | 03/16/25 | 03/16/25 |
| 2,4-Dimethylphenol | ND | | ug/L | 10 | 5.6 | 03/16/25 | 03/16/25 |
| Benzoic acid | ND | | ug/L | 50 | 12 | 03/16/25 | 03/16/25 |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 10 | 1.7 | 03/16/25 | 03/16/25 |
| 2,4-Dichlorophenol | ND | | ug/L | 10 | 2.5 | 03/16/25 | 03/16/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 10 | 1.5 | 03/16/25 | 03/16/25 |
| Naphthalene | ND | | ug/L | 10 | 1.4 | 03/16/25 | 03/16/25 |
| 4-Chloroaniline | ND | | ug/L | 10 | 2.2 | 03/16/25 | 03/16/25 |
| Hexachlorobutadiene | ND | | ug/L | 10 | 3.0 | 03/16/25 | 03/16/25 |
| 4-Chloro-3-methylphenol | ND | | ug/L | 10 | 2.0 | 03/16/25 | 03/16/25 |
| 2-Methylnaphthalene | ND | | ug/L | 10 | 1.7 | 03/16/25 | 03/16/25 |
| Hexachlorocyclopentadiene | ND | | ug/L | 25 | 6.7 | 03/16/25 | 03/16/25 |
| 2,4,6-Trichlorophenol | ND | | ug/L | 10 | 3.3 | 03/16/25 | 03/16/25 |
| 2,4,5-Trichlorophenol | ND | | ug/L | 10 | 3.4 | 03/16/25 | 03/16/25 |
| 2-Chloronaphthalene | ND | | ug/L | 10 | 1.9 | 03/16/25 | 03/16/25 |
| 2-Nitroaniline | ND | | ug/L | 50 | 7.2 | 03/16/25 | 03/16/25 |
| Dimethylphthalate | ND | | ug/L | 10 | 3.0 | 03/16/25 | 03/16/25 |
| Acenaphthylene | ND | | ug/L | 10 | 2.1 | 03/16/25 | 03/16/25 |
| 2,6-Dinitrotoluene | ND | | ug/L | 10 | 3.1 | 03/16/25 | 03/16/25 |
| 3-Nitroaniline | ND | | ug/L | 10 | 2.3 | 03/16/25 | 03/16/25 |
| Acenaphthene | ND | | ug/L | 10 | 1.6 | 03/16/25 | 03/16/25 |
| 2,4-Dinitrophenol | ND | | ug/L | 50 | 4.7 | 03/16/25 | 03/16/25 |
| 4-Nitrophenol | ND | | ug/L | 10 | 4.6 | 03/16/25 | 03/16/25 |
| Dibenzofuran | ND | | ug/L | 10 | 1.7 | 03/16/25 | 03/16/25 |
| 2,4-Dinitrotoluene | ND | | ug/L | 10 | 2.5 | 03/16/25 | 03/16/25 |
| Diethylphthalate | ND | | ug/L | 10 | 2.0 | 03/16/25 | 03/16/25 |
| Fluorene | ND | | ug/L | 10 | 1.7 | 03/16/25 | 03/16/25 |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 10 | 1.9 | 03/16/25 | 03/16/25 |
| 4-Nitroaniline | ND | | ug/L | 10 | 3.7 | 03/16/25 | 03/16/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1239479 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 50 | 5.2 | 03/16/25 | 03/16/25 |
| N-Nitrosodiphenylamine | ND | | ug/L | 10 | 1.6 | 03/16/25 | 03/16/25 |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 10 | 1.2 | 03/16/25 | 03/16/25 |
| 4-Bromophenyl-phenylether | ND | | ug/L | 10 | 2.3 | 03/16/25 | 03/16/25 |
| Hexachlorobenzene | ND | | ug/L | 10 | 2.6 | 03/16/25 | 03/16/25 |
| Pentachlorophenol | ND | | ug/L | 25 | 4.0 | 03/16/25 | 03/16/25 |
| Phenanthrene | ND | | ug/L | 10 | 1.3 | 03/16/25 | 03/16/25 |
| Anthracene | ND | | ug/L | 10 | 1.3 | 03/16/25 | 03/16/25 |
| Di-n-butylphthalate | ND | | ug/L | 10 | 2.0 | 03/16/25 | 03/16/25 |
| Fluoranthene | ND | | ug/L | 10 | 1.2 | 03/16/25 | 03/16/25 |
| Benzidine | ND | | ug/L | 50 | 8.8 | 03/16/25 | 03/16/25 |
| Pyrene | ND | | ug/L | 10 | 1.2 | 03/16/25 | 03/16/25 |
| Butylbenzylphthalate | ND | | ug/L | 10 | 2.6 | 03/16/25 | 03/16/25 |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 25 | 3.3 | 03/16/25 | 03/16/25 |
| Benzo(a)anthracene | ND | | ug/L | 10 | 0.81 | 03/16/25 | 03/16/25 |
| Chrysene | ND | | ug/L | 10 | 0.88 | 03/16/25 | 03/16/25 |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 10 | 3.5 | 03/16/25 | 03/16/25 |
| Di-n-octylphthalate | ND | | ug/L | 10 | 4.8 | 03/16/25 | 03/16/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 10 | 1.3 | 03/16/25 | 03/16/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 10 | 1.4 | 03/16/25 | 03/16/25 |
| Benzo(a)pyrene | ND | | ug/L | 10 | 1.3 | 03/16/25 | 03/16/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 10 | 2.2 | 03/16/25 | 03/16/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 10 | 2.1 | 03/16/25 | 03/16/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 10 | 1.8 | 03/16/25 | 03/16/25 |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| TIC:Acetophenone | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| TIC:Chlorobenzilate | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| TIC:Diallate | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| TIC:Thionazin | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 03/16/25 | 03/16/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 46% | | %REC | 20-140 | | 03/16/25 | 03/16/25 |
| Phenol-d6 | 30% | | %REC | 20-140 | | 03/16/25 | 03/16/25 |
| 2,4,6-Tribromophenol | 69% | | %REC | 20-140 | | 03/16/25 | 03/16/25 |
| Nitrobenzene-d5 | 80% | | %REC | 20-140 | | 03/16/25 | 03/16/25 |
| 2-Fluorobiphenyl | 74% | | %REC | 20-140 | | 03/16/25 | 03/16/25 |
| Terphenyl-d14 | 82% | | %REC | 20-140 | | 03/16/25 | 03/16/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1239480** | **Batch:** | **366077** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1239480 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 29.56 | 75.00 | ug/L | 39% | | 13-120 |
| 2-Chlorophenol | 62.79 | 75.00 | ug/L | 84% | | 31-120 |
| 1,4-Dichlorobenzene | 55.34 | 75.00 | ug/L | 74% | | 24-120 |
| 3-,4-Methylphenol | 59.46 | 75.00 | ug/L | 79% | | 29-120 |
| N-Nitroso-di-n-propylamine | 79.08 | 75.00 | ug/L | 105% | | 32-120 |
| 2,4-Dimethylphenol | 73.47 | 75.00 | ug/L | 98% | | 25-120 |
| 1,2,4-Trichlorobenzene | 59.03 | 75.00 | ug/L | 79% | | 26-120 |
| 4-Chloro-3-methylphenol | 72.50 | 75.00 | ug/L | 97% | | 39-120 |
| 2,4,5-Trichlorophenol | 69.16 | 75.00 | ug/L | 92% | | 38-120 |
| Acenaphthene | 64.25 | 75.00 | ug/L | 86% | | 33-120 |
| 4-Nitrophenol | 35.25 | 75.00 | ug/L | 47% | | 12-120 |
| 2,4-Dinitrotoluene | 76.76 | 75.00 | ug/L | 102% | | 46-120 |
| Pentachlorophenol | 54.18 | 75.00 | ug/L | 72% | | 37-120 |
| Pyrene | 68.29 | 75.00 | ug/L | 91% | | 47-120 |
| Chrysene | 72.07 | 75.00 | ug/L | 96% | | 48-120 |
| Benzo(b)fluoranthene | 70.65 | 75.00 | ug/L | 94% | | 46-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 23.11 | 40.00 | ug/L | 58% | | 20-140 |
| Phenol-d6 | 15.67 | 40.00 | ug/L | 39% | | 20-140 |
| 2,4,6-Tribromophenol | 35.07 | 40.00 | ug/L | 88% | | 20-140 |
| Nitrobenzene-d5 | 38.26 | 40.00 | ug/L | 96% | | 20-140 |
| 2-Fluorobiphenyl | 33.42 | 40.00 | ug/L | 84% | | 20-140 |
| Terphenyl-d14 | 36.56 | 40.00 | ug/L | 91% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1239481** | **Batch:** | **366077** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1239481 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 25.72 | 75.00 | ug/L | 34% | | 13-120 | 14 | 62 |
| 2-Chlorophenol | 54.21 | 75.00 | ug/L | 72% | | 31-120 | 15 | 62 |
| 1,4-Dichlorobenzene | 48.38 | 75.00 | ug/L | 65% | | 24-120 | 13 | 64 |
| 3-,4-Methylphenol | 49.86 | 75.00 | ug/L | 66% | | 29-120 | 18 | 62 |
| N-Nitroso-di-n-propylamine | 66.84 | 75.00 | ug/L | 89% | | 32-120 | 17 | 65 |
| 2,4-Dimethylphenol | 61.72 | 75.00 | ug/L | 82% | | 25-120 | 17 | 64 |
| 1,2,4-Trichlorobenzene | 51.95 | 75.00 | ug/L | 69% | | 26-120 | 13 | 63 |
| 4-Chloro-3-methylphenol | 63.44 | 75.00 | ug/L | 85% | | 39-120 | 13 | 58 |
| 2,4,5-Trichlorophenol | 60.79 | 75.00 | ug/L | 81% | | 38-120 | 13 | 59 |
| Acenaphthene | 57.26 | 75.00 | ug/L | 76% | | 33-120 | 11 | 52 |
| 4-Nitrophenol | 32.81 | 75.00 | ug/L | 44% | | 12-120 | 7 | 63 |
| 2,4-Dinitrotoluene | 71.71 | 75.00 | ug/L | 96% | | 46-120 | 7 | 41 |
| Pentachlorophenol | 51.96 | 75.00 | ug/L | 69% | | 37-120 | 4 | 42 |
| Pyrene | 65.37 | 75.00 | ug/L | 87% | | 47-120 | 4 | 43 |
| Chrysene | 70.52 | 75.00 | ug/L | 94% | | 48-120 | 2 | 46 |
| Benzo(b)fluoranthene | 69.58 | 75.00 | ug/L | 93% | | 46-120 | 2 | 47 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 18.84 | 40.00 | ug/L | 47% | | 20-140 | | |
| Phenol-d6 | 12.74 | 40.00 | ug/L | 32% | | 20-140 | | |
| 2,4,6-Tribromophenol | 31.78 | 40.00 | ug/L | 79% | | 20-140 | | |
| Nitrobenzene-d5 | 32.43 | 40.00 | ug/L | 81% | | 20-140 | | |
| 2-Fluorobiphenyl | 28.96 | 40.00 | ug/L | 72% | | 20-140 | | |
| Terphenyl-d14 | 34.45 | 40.00 | ug/L | 86% | | 20-140 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1239545 | | **Batch:** 366091 |
| **Matrix:** Water | **Method:** EPA 8270C-SIM | | **Prep Method:** EPA 3510C |

| QC1239545 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | | ug/L | 0.50 | 0.19 | 03/16/25 | 03/16/25 |
| 2-Methylnaphthalene | ND | | ug/L | 0.50 | 0.24 | 03/16/25 | 03/16/25 |
| Naphthalene | ND | | ug/L | 0.50 | 0.20 | 03/16/25 | 03/16/25 |
| Acenaphthylene | ND | | ug/L | 0.50 | 0.21 | 03/16/25 | 03/16/25 |
| Acenaphthene | ND | | ug/L | 0.50 | 0.17 | 03/16/25 | 03/16/25 |
| Fluorene | ND | | ug/L | 0.50 | 0.17 | 03/16/25 | 03/16/25 |
| Phenanthrene | ND | | ug/L | 0.50 | 0.19 | 03/16/25 | 03/16/25 |
| Anthracene | ND | | ug/L | 0.50 | 0.18 | 03/16/25 | 03/16/25 |
| Fluoranthene | ND | | ug/L | 0.50 | 0.17 | 03/16/25 | 03/16/25 |
| Pyrene | ND | | ug/L | 0.50 | 0.16 | 03/16/25 | 03/16/25 |
| Benzo(a)anthracene | ND | | ug/L | 0.50 | 0.15 | 03/16/25 | 03/16/25 |
| Chrysene | ND | | ug/L | 0.50 | 0.16 | 03/16/25 | 03/16/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 03/16/25 | 03/16/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 0.50 | 0.16 | 03/16/25 | 03/16/25 |
| Benzo(a)pyrene | ND | | ug/L | 0.50 | 0.13 | 03/16/25 | 03/16/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.50 | 0.14 | 03/16/25 | 03/16/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.50 | 0.19 | 03/16/25 | 03/16/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.50 | 0.20 | 03/16/25 | 03/16/25 |
| **Surrogates** | | | | **Limits** | | | |
| Nitrobenzene-d5 | 82% | | %REC | 16-125 | | 03/16/25 | 03/16/25 |
| 2-Fluorobiphenyl | 80% | | %REC | 17-120 | | 03/16/25 | 03/16/25 |
| Terphenyl-d14 | 98% | | %REC | 39-123 | | 03/16/25 | 03/16/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1239546** | **Batch:** | **366091** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1239546 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.481 | 4.000 | ug/L | 87% | | 23-120 |
| 2-Methylnaphthalene | 3.385 | 4.000 | ug/L | 85% | | 33-120 |
| Naphthalene | 3.271 | 4.000 | ug/L | 82% | | 38-120 |
| Acenaphthylene | 3.413 | 4.000 | ug/L | 85% | | 37-120 |
| Acenaphthene | 3.219 | 4.000 | ug/L | 80% | | 39-120 |
| Fluorene | 3.481 | 4.000 | ug/L | 87% | | 43-120 |
| Phenanthrene | 3.245 | 4.000 | ug/L | 81% | | 42-120 |
| Anthracene | 3.318 | 4.000 | ug/L | 83% | | 42-120 |
| Fluoranthene | 3.473 | 4.000 | ug/L | 87% | | 48-120 |
| Pyrene | 3.495 | 4.000 | ug/L | 87% | | 44-120 |
| Benzo(a)anthracene | 3.558 | 4.000 | ug/L | 89% | | 51-126 |
| Chrysene | 3.517 | 4.000 | ug/L | 88% | | 47-120 |
| Benzo(b)fluoranthene | 3.313 | 4.000 | ug/L | 83% | | 44-127 |
| Benzo(k)fluoranthene | 3.448 | 4.000 | ug/L | 86% | | 43-127 |
| Benzo(a)pyrene | 3.324 | 4.000 | ug/L | 83% | | 29-124 |
| Indeno(1,2,3-cd)pyrene | 3.594 | 4.000 | ug/L | 90% | | 44-127 |
| Dibenz(a,h)anthracene | 3.711 | 4.000 | ug/L | 93% | | 55-120 |
| Benzo(g,h,i)perylene | 3.472 | 4.000 | ug/L | 87% | | 46-120 |
| **Surrogates** | | | | | | |
| Nitrobenzene-d5 | 3.338 | 4.000 | ug/L | 83% | | 16-125 |
| 2-Fluorobiphenyl | 3.376 | 4.000 | ug/L | 84% | | 17-120 |
| Terphenyl-d14 | 3.921 | 4.000 | ug/L | 98% | | 39-123 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1239547** | **Batch:** | **366091** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1239547 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 3.517 | 4.000 | ug/L | 88% | | 23-120 | 1 | 20 |
| 2-Methylnaphthalene | 3.405 | 4.000 | ug/L | 85% | | 33-120 | 1 | 20 |
| Naphthalene | 3.297 | 4.000 | ug/L | 82% | | 38-120 | 1 | 20 |
| Acenaphthylene | 3.437 | 4.000 | ug/L | 86% | | 37-120 | 1 | 20 |
| Acenaphthene | 3.190 | 4.000 | ug/L | 80% | | 39-120 | 1 | 20 |
| Fluorene | 3.390 | 4.000 | ug/L | 85% | | 43-120 | 3 | 20 |
| Phenanthrene | 3.258 | 4.000 | ug/L | 81% | | 42-120 | 0 | 20 |
| Anthracene | 3.314 | 4.000 | ug/L | 83% | | 42-120 | 0 | 20 |
| Fluoranthene | 3.471 | 4.000 | ug/L | 87% | | 48-120 | 0 | 20 |
| Pyrene | 3.512 | 4.000 | ug/L | 88% | | 44-120 | 0 | 20 |
| Benzo(a)anthracene | 3.490 | 4.000 | ug/L | 87% | | 51-126 | 2 | 20 |
| Chrysene | 3.538 | 4.000 | ug/L | 88% | | 47-120 | 1 | 20 |
| Benzo(b)fluoranthene | 3.486 | 4.000 | ug/L | 87% | | 44-127 | 5 | 20 |
| Benzo(k)fluoranthene | 3.538 | 4.000 | ug/L | 88% | | 43-127 | 3 | 20 |
| Benzo(a)pyrene | 3.322 | 4.000 | ug/L | 83% | | 29-124 | 0 | 20 |
| Indeno(1,2,3-cd)pyrene | 3.625 | 4.000 | ug/L | 91% | | 44-127 | 1 | 20 |
| Dibenz(a,h)anthracene | 3.754 | 4.000 | ug/L | 94% | | 55-120 | 1 | 20 |
| Benzo(g,h,i)perylene | 3.508 | 4.000 | ug/L | 88% | | 46-120 | 1 | 20 |
| **Surrogates** | | | | | | | | |
| Nitrobenzene-d5 | 3.207 | 4.000 | ug/L | 80% | | 16-125 | | |
| 2-Fluorobiphenyl | 3.225 | 4.000 | ug/L | 81% | | 17-120 | | |
| Terphenyl-d14 | 3.793 | 4.000 | ug/L | 95% | | 39-123 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1239833** | **Batch:** | **366177** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1239833 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 03/17/25 | 03/18/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1239834** | **Batch:** | **366177** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1239834 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Cyanide | 0.1023 | 0.1000 | mg/L | 102% | | 76-120 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1239835** | **Batch:** | **366177** |
| **Matrix (Source ID):** | **Water (528198-002)** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1239835 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.1039 | ND | 0.1000 | mg/L | 104% | | 65-121 | 0.5 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1239836** | **Batch:** | **366177** |
| **Matrix (Source ID):** | **Water (528198-002)** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1239836 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.09892 | ND | 0.1000 | mg/L | 99% | | 65-121 | 5 | 30 | 0.5 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1239432** | **Batch:** | **366066** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1239432 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/15/25 | 03/15/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1239433** | **Batch:** | **366066** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1239433 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1239434** | **Batch:** | **366066** |
| **Matrix (Source ID):** | **Water (528700-002)** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1239434 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1239435** | **Batch:** | **366066** |
| **Matrix (Source ID):** | **Water (528700-002)** | **Method:** | **SM 4500-S2-D** | **Prep Method:** | **METHOD** |

| QC1239435 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

* Value is outside QC limits
ND Not Detected

**Laboratory Job Number 528896**

**Subcontracted Products**

**Pace Laboratories**

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

April 01, 2025

Zach Barker
Enthalpy Analytical
931 W Barkley Ave
Orange, CA 92868

RE: Project: 528896
Pace Project No.: 30765485

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on March 19, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

The samples will be subcontracted to Pace Bakersfield for analysis. Results of the analysis are reported on the Pace Bakersfield data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Sophia Baughman, Enthalpy Analytical
Diane Galvan, Enthalpy Analytical
Brenda Hamilton, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

**REPORT OF LABORATORY ANALYSIS**

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**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## SAMPLE SUMMARY

Project: 528896
Pace Project No.: 30765485

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **30765485001** | **SOUTH BASIN STAGE 2** | Water | 03/14/25 13:30 | 03/19/25 13:25 |
| **30765485002** | **SOUTH BASIN OUTLET** | Water | 03/14/25 13:00 | 03/19/25 13:25 |

**REPORT OF LABORATORY ANALYSIS**

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25-04546

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504546

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528896
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN STAGE 2 | 14-MAR-2025 13:30 | 528896-001 | 1 | Water | Organophosphorus Pesticides | |
| SOUTH BASIN OUTLET | 14-MAR-2025 13:00 | 528896-002 | 1 | Water | Organophosphorus Pesticides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | L. Dinkargoy EA-ORA | |
| | Date: 3/18/25 1500 | Date: 3/19/25 13 25 |
| | Date: | Date: |
| | Date: | Date: |

CHK BY MPI
DISTRIBUTION SUM
SUB OUT

PACE ANALYTICAL | COOLER RECEIPT FORM | Page ___ Of ___

Submission #: 25-04546

**SHIPPING INFORMATION**
Fed Ex ☐ UPS ☑ GSO / GLS ☑ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☑ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☑
(W) / S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

**COC Received** ☑ YES ☐ NO

Emissivity: 0.97 Container: N/A Thermometer ID: 174

Temperature: (A) 2.7 °C / (C) 2.7 °C

Date/Time 3/14/25

Analyst Init JM 1325

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER (6) | A | A | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:

Sample Numbering Completed By: FJC Date/Time: 3/19/25 1607

A = Actual / C = Corrected

Date of Report: 03/31/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

| | |
|---|---|
| Client Project: | [none] |
| Pace Project: | Chiquita Canyon Landfill Stormwater |
| Pace Work Order: | 2504546 |
| Invoice ID: | B514527 |

Enclosed are the results of analyses for samples received by the laboratory on 3/19/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Steven Bennett
Operations Manager

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## Sample Results

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## Quality Control Reports

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25-04546

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504546

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-528896
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN STAGE 2 | 14-MAR-2025 13:30 | 528896-001 | 1 | Water | Organophosphorus Pesticides | |
| SOUTH BASIN OUTLET | 14-MAR-2025 13:00 | 528896-002 | 1 | Water | Organophosphorus Pesticides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | L. Dautegra EA-ORA | |
| | Date: 3/18/25 1500 | Date: 3/19/25 1325 |
| | Date: | Date: |
| | Date: | Date: |

CHK BY MP1
DISTRIBUTION SUM
SUB OUT

1 of 1

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 1 Of 1

Submission #: 25-04546

**SHIPPING INFORMATION**
Fed Ex ☐ UPS ☒ GSO / GLS ☑ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☒
(W) / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ — Containers ☐ Intact? Yes ☐ No ☐ — None ☐ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

**COC Received** ☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 174
Temperature: (A) 2.7 °C / (C) 2.7 °C
Date/Time 3/14/25
Analyst Init 1335

| SAMPLE CONTAINERS | SAMPLE NUMBERS 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PTA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | A | A | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:
Sample Numbering Completed By: TJC Date/Time: 3/19/25 1102
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **2504546-01** | **COC Number:** | --- | **Receive Date:** | 03/19/2025 13:25 |
| | **Project Number:** | --- | **Sampling Date:** | 03/14/2025 13:30 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | South Basin Stage 2 | **Lab Matrix:** | Water |
| | **Sampled By:** | Zachary Barker | **Sample Type:** | Water |
| **2504546-02** | **COC Number:** | --- | **Receive Date:** | 03/19/2025 13:25 |
| | **Project Number:** | --- | **Sampling Date:** | 03/14/2025 13:00 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | South Basin Outlet | **Lab Matrix:** | Water |
| | **Sampled By:** | Zachary Barker | **Sample Type:** | Water |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2504546-01 | **Client Sample Name:** South Basin Stage 2, 3/14/2025 1:30:00PM, Zachary Barker

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 1.0 | 0.24 | EPA-8141A | ND | A10 | 1 |
| Bolstar | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Chlorpyrifos | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Coumaphos | ND | ug/L | 1.0 | 0.22 | EPA-8141A | ND | A10 | 1 |
| Demeton O/S | ND | ug/L | 0.40 | 0.11 | EPA-8141A | ND | A10 | 1 |
| Diazinon | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Dichlorvos | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Disulfoton | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Ethoprop | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Fensulfothion | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Fenthion | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Merphos | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Methyl parathion | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Mevinphos | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Naled | ND | ug/L | 1.0 | 0.34 | EPA-8141A | ND | A10 | 1 |
| Phorate | ND | ug/L | 0.40 | 0.13 | EPA-8141A | ND | A10 | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.40 | 0.16 | EPA-8141A | ND | A10 | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Trichloronate | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Triphenylphosphate (Surrogate) | 88.8 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 03/21/25 16:50 | 03/26/25 10:31 | HAH | GC-18 | 2 | B208892 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2504546-02 | **Client Sample Name:** South Basin Outlet, 3/14/2025 1:00:00PM, Zachary Barker

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 1.0 | 0.24 | EPA-8141A | ND | A10 | 1 |
| Bolstar | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Chlorpyrifos | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Coumaphos | ND | ug/L | 1.0 | 0.22 | EPA-8141A | ND | A10 | 1 |
| Demeton O/S | ND | ug/L | 0.40 | 0.11 | EPA-8141A | ND | A10 | 1 |
| Diazinon | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Dichlorvos | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Disulfoton | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Ethoprop | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Fensulfothion | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Fenthion | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Merphos | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Methyl parathion | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Mevinphos | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Naled | ND | ug/L | 1.0 | 0.34 | EPA-8141A | ND | A10 | 1 |
| Phorate | ND | ug/L | 0.40 | 0.13 | EPA-8141A | ND | A10 | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.40 | 0.16 | EPA-8141A | ND | A10 | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Trichloronate | ND | ug/L | 0.40 | 0.10 | EPA-8141A | ND | A10 | 1 |
| Triphenylphosphate (Surrogate) | 79.6 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 03/21/25 16:50 | 03/26/25 11:01 | HAH | GC-18 | 2 | B208892 | EPA 3510C |

DCN = Data Continuation Number

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Greensburg, PA 15601

**Reported:** 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|
| **QC Batch ID: B208892** | | | | | | | |
| Azinphos methyl | B208892-BLK1 | ND | ug/L | 0.50 | 0.12 | | 1 |
| Bolstar | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Chlorpyrifos | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Coumaphos | B208892-BLK1 | ND | ug/L | 0.50 | 0.11 | | 1 |
| Demeton O/S | B208892-BLK1 | ND | ug/L | 0.20 | 0.056 | | 1 |
| Diazinon | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Dichlorvos | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Disulfoton | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Ethoprop | B208892-BLK1 | ND | ug/L | 0.20 | 0.052 | | 1 |
| Fensulfothion | B208892-BLK1 | ND | ug/L | 0.20 | 0.051 | | 1 |
| Fenthion | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Merphos | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Methyl parathion | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Mevinphos | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Naled | B208892-BLK1 | ND | ug/L | 0.50 | 0.17 | | 1 |
| Phorate | B208892-BLK1 | ND | ug/L | 0.20 | 0.066 | | 1 |
| Ronnel (Fenchlorphos) | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Stirophos (Tetrachlorvinphos) | B208892-BLK1 | ND | ug/L | 0.20 | 0.082 | | 1 |
| Tokuthion (Prothiofos) | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Trichloronate | B208892-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| **Triphenylphosphate (Surrogate)** | **B208892-BLK1** | **105** | % | **50 - 130 (LCL - UCL)** | | | 1 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B208892-BLK1 | PB | EPA-8141A | 03/21/25 | 03/26/25 04:06 | HAH | GC-18 | 1 |

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1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: B208892** | | | | | | | | | | | |
| Bolstar | B208892-BS1 | LCS | 1.5700 | 2.0000 | ug/L | 78.5 | | 50 - 130 | | | 1 |
| | B208892-BSD1 | LCSD | 1.9150 | 2.0000 | ug/L | 95.8 | 19.8 | 50 - 130 | 30 | | 2 |
| Chlorpyrifos | B208892-BS1 | LCS | 1.8600 | 2.0000 | ug/L | 93.0 | | 60 - 120 | | | 1 |
| | B208892-BSD1 | LCSD | 1.9200 | 2.0000 | ug/L | 96.0 | 3.2 | 60 - 120 | 30 | | 2 |
| Diazinon | B208892-BS1 | LCS | 1.9700 | 2.0000 | ug/L | 98.5 | | 60 - 130 | | | 1 |
| | B208892-BSD1 | LCSD | 1.8300 | 2.0000 | ug/L | 91.5 | 7.4 | 60 - 130 | 30 | | 2 |
| Methyl parathion | B208892-BS1 | LCS | 1.7850 | 2.0000 | ug/L | 89.2 | | 60 - 120 | | | 1 |
| | B208892-BSD1 | LCSD | 1.9750 | 2.0000 | ug/L | 98.8 | 10.1 | 60 - 120 | 30 | | 2 |
| Mevinphos | B208892-BS1 | LCS | 2.1550 | 2.0000 | ug/L | 108 | | 50 - 120 | | | 1 |
| | B208892-BSD1 | LCSD | 2.2000 | 2.0000 | ug/L | 110 | 2.1 | 50 - 120 | 30 | | 2 |
| Ronnel (Fenchlorphos) | B208892-BS1 | LCS | 1.7450 | 2.0000 | ug/L | 87.2 | | 50 - 120 | | | 1 |
| | B208892-BSD1 | LCSD | 1.8900 | 2.0000 | ug/L | 94.5 | 8.0 | 50 - 120 | 30 | | 2 |
| Stirophos (Tetrachlorvinphos) | B208892-BS1 | LCS | 1.9300 | 2.0000 | ug/L | 96.5 | | 50 - 120 | | | 1 |
| | B208892-BSD1 | LCSD | 2.1300 | 2.0000 | ug/L | 106 | 9.9 | 50 - 120 | 30 | | 2 |
| Triphenylphosphate (Surrogate) | B208892-BS1 | LCS | 2.6050 | 2.5000 | ug/L | 104 | | 50 - 130 | | | 1 |
| | B208892-BSD1 | LCSD | 2.5950 | 2.5000 | ug/L | 104 | 0.4 | 50 - 130 | | | 2 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B208892-BS1 | LCS | EPA-8141A | 03/21/25 | 03/26/25 04:36 | HAH | GC-18 | 1 |
| 2 | B208892-BSD1 | LCSD | EPA-8141A | 03/21/25 | 03/26/25 05:06 | HAH | GC-18 | 1 |

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1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 03/31/2025 16:37
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

## Notes And Definitions

| | |
|---|---|
| MDL | Method Detection Limit |
| ND | Analyte Not Detected |
| PQL | Practical Quantitation Limit |
| A10 | Detection and quantitation limits were raised due to matrix interference. |

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**Laboratory Job Number 528896**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

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# Analytical Report

**WorkOrder:** 2503C63

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** PO-079649
**Project:** EO-528896

**Project Location:**
**Project Received:** 03/19/2025

Analytical Report reviewed & approved for release on 03/25/2025 by:

Jena Alfaro
Project Manager

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503C63

**Project:** EO-528896

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503C63

**Project:** EO-528896

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| S | Surrogate recovery outside accepted recovery limits. |
| a3 | Sample diluted due to high organic content interfering with quantitative/or qualitative analysis. |

## Quality Control Qualifiers

| | |
|---|---|
| F2 | LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria. |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503C63 |
| **Date Received:** | 03/19/2025 10:45 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 03/19/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-528896 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN STAGE 2 | 2503C63-001A | Water | 03/14/2025 13:30 | GC15A 03212570.D | 313614 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 03/22/2025 13:43 |
| Bentazon | ND | 4.1 | 10 | 10 | 03/22/2025 13:43 |
| Chloramben | ND | 3.1 | 10 | 10 | 03/22/2025 13:43 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 03/22/2025 13:43 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 03/22/2025 13:43 |
| Dalapon | ND | 3.9 | 10 | 10 | 03/22/2025 13:43 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 03/22/2025 13:43 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 03/22/2025 13:43 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 03/22/2025 13:43 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 03/22/2025 13:43 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 03/22/2025 13:43 |
| MCPA | ND | 14 | 20 | 10 | 03/22/2025 13:43 |
| MCPP | ND | 7.7 | 20 | 10 | 03/22/2025 13:43 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 03/22/2025 13:43 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 03/22/2025 13:43 |
| Picloram | ND | 3.5 | 10 | 10 | 03/22/2025 13:43 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 03/22/2025 13:43 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 03/22/2025 13:43 |

| Surrogates | REC (%) | Qualifiers | Limits | |
|---|---|---|---|---|
| DCAA | 0 | S | 60-140 | 03/22/2025 13:43 |

Analyst(s): DP  Analytical Comments: a3

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503C63 |
| **Date Received:** | 03/19/2025 10:45 | **Extraction Method:** | SW8151A |
| **Date Prepared:** | 03/19/2025 | **Analytical Method:** | SW8151A |
| **Project:** | EO-528896 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN OUTLET | 2503C63-002A | Water | 03/14/2025 13:00 | GC15A 03212571.D | 313614 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 03/22/2025 14:08 |
| Bentazon | ND | 4.1 | 10 | 10 | 03/22/2025 14:08 |
| Chloramben | ND | 3.1 | 10 | 10 | 03/22/2025 14:08 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 03/22/2025 14:08 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 03/22/2025 14:08 |
| Dalapon | ND | 3.9 | 10 | 10 | 03/22/2025 14:08 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 03/22/2025 14:08 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 03/22/2025 14:08 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 03/22/2025 14:08 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 03/22/2025 14:08 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 03/22/2025 14:08 |
| MCPA | ND | 14 | 20 | 10 | 03/22/2025 14:08 |
| MCPP | ND | 7.7 | 20 | 10 | 03/22/2025 14:08 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 03/22/2025 14:08 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 03/22/2025 14:08 |
| Picloram | ND | 3.5 | 10 | 10 | 03/22/2025 14:08 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 03/22/2025 14:08 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 03/22/2025 14:08 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 83 | 60-140 | 03/22/2025 14:08 |

Analyst(s): DP  Analytical Comments: a3

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503C63 |
| **Date Prepared:** | 03/19/2025 | **BatchID:** | 313614 |
| **Date Analyzed:** | 03/22/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528896 | **Sample ID:** | MB/LCS/LCSD-313614 |

## QC Summary Report for SW8151A

| Analyte | MB Result | MDL | RL | SPK Val | MB IS/SS %REC | MB IS/SS Limits |
|---|---|---|---|---|---|---|
| Acifluorfen | ND | 0.26 | 1.0 | - | - | - |
| Bentazon | ND | 0.41 | 1.0 | - | - | - |
| Chloramben | ND | 0.31 | 1.0 | - | - | - |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.059 | 0.20 | - | - | - |
| 2,4-DB | ND | 0.21 | 1.0 | - | - | - |
| Dalapon | ND | 0.39 | 1.0 | - | - | - |
| DCPA (mono & diacid) | ND | 0.14 | 1.0 | - | - | - |
| Dicamba | ND | 0.059 | 0.20 | - | - | - |
| 3,5-Dichlorobenzoic Acid | ND | 0.19 | 1.0 | - | - | - |
| Dichloroprop | ND | 0.18 | 1.0 | - | - | - |
| Dinoseb (DNBP) | ND | 0.18 | 1.0 | - | - | - |
| MCPA | ND | 1.4 | 2.0 | - | - | - |
| MCPP | ND | 0.77 | 2.0 | - | - | - |
| 4-Nitrophenol | ND | 0.50 | 1.0 | - | - | - |
| Pentachlorophenol (PCP) | ND | 0.055 | 0.20 | - | - | - |
| Picloram | ND | 0.35 | 1.0 | - | - | - |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.056 | 0.20 | - | - | - |
| 2,4,5-TP (Silvex) | ND | 0.14 | 0.50 | - | - | - |
| **Surrogate Recovery** | | | | | | |
| DCAA | 9.7 | | | 10 | 97 | 70-130 |

*(Cont.)*

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503C63 |
| **Date Prepared:** | 03/19/2025 | **BatchID:** | 313614 |
| **Date Analyzed:** | 03/22/2025 | **Extraction Method:** | SW8151A |
| **Instrument:** | GC15A | **Analytical Method:** | SW8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528896 | **Sample ID:** | MB/LCS/LCSD-313614 |

## QC Summary Report for SW8151A

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Acifluorfen | 9.6 | 9.2 | 10 | 96 | 92 | 70-130 | 4.23 | 30 |
| Bentazon | 10 | 9.4 | 10 | 101 | 94 | 70-130 | 7.18 | 30 |
| Chloramben | 12 | 11 | 10 | 117 | 113 | 70-130 | 3.36 | 30 |
| 2,4-D (Dichlorophenoxyacetic acid) | 11 | 10 | 10 | 107 | 104 | 70-130 | 2.71 | 30 |
| 2,4-DB | 9.0 | 9.1 | 10 | 90 | 91 | 70-130 | 1.21 | 30 |
| Dalapon | 11 | 10 | 10 | 113 | 103 | 70-130 | 9.29 | 30 |
| DCPA (mono & diacid) | 11 | 10 | 10 | 107 | 100 | 70-130 | 7.12 | 30 |
| Dicamba | 11 | 10 | 10 | 105 | 100 | 70-130 | 4.98 | 30 |
| 3,5-Dichlorobenzoic Acid | 10 | 9.7 | 10 | 103 | 97 | 70-130 | 6.14 | 30 |
| Dichloroprop | 11 | 11 | 10 | 112 | 107 | 70-130 | 4.25 | 30 |
| Dinoseb (DNBP) | 10 | 10 | 10 | 100 | 101 | 70-130 | 0.684 | 30 |
| MCPA | 97 | 93 | 100 | 97 | 93 | 70-130 | 4.43 | 30 |
| MCPP | 110 | 94 | 100 | 110 | 94 | 70-130 | 15.3 | 30 |
| 4-Nitrophenol | 4.2 | 4.0 | 10 | 42,F2 | 40,F2 | 70-130 | 6.20 | 30 |
| Pentachlorophenol (PCP) | 11 | 10 | 10 | 106 | 102 | 70-130 | 3.72 | 30 |
| Picloram | 10 | 9.4 | 10 | 101 | 94 | 70-130 | 6.53 | 30 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | 11 | 11 | 10 | 108 | 106 | 70-130 | 1.79 | 30 |
| 2,4,5-TP (Silvex) | 10 | 10 | 10 | 105 | 102 | 70-130 | 2.52 | 30 |
| **Surrogate Recovery** | | | | | | | | |
| DCAA | 9.6 | 9.1 | 10 | 96 | 91 | 70-130 | 5.31 | 30 |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503C63** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: PO-079649
Project: EO-528896

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 2 days;**

*Date Received:* **03/19/2025**
*Date Logged:* **03/19/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503C63-001 | SOUTH BASIN STAGE 2 | Water | 3/14/2025 13:30 | ☐ | A | A | | | | | | | | | | |
| 2503C63-002 | SOUTH BASIN OUTLET | Water | 3/14/2025 13:00 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 8151_W | 2 | PRDisposal Fee | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Carolina Garcia**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-528896
**Comments:**

**Work Order:** 2503C63
**QC Level:** LEVEL 2
**Date Logged:** 3/19/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH BASIN STAGE 2 | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 3/14/2025 13:30 | 2 days | 3/21/2025 | Present | ☐ | ☐ |
| 002A | SOUTH BASIN OUTLET | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 3/14/2025 13:00 | 2 days | 3/21/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

**HOLD TIME RUSH**

2503C63

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-528896
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN STAGE 2 | 14-MAR-2025 13:30 | 528896-001 | 1 | Water | EPA 8151A Chlorinated Herbicides | |
| SOUTH BASIN OUTLET | 14-MAR-2025 13:00 | 528896-002 | 1 | Water | EPA 8151A Chlorinated Herbicides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Quintero EA-ORA | GLS |
| | Date: 3/18/25 1500 | Date: |
| | | |
| | Date: | Date: |
| | GLS | Paola Murillo 1045 AM |
| | Date: | Date: 3/19/25 |

1 of 1

GLS: 562774236

4 wet 4236

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 3/19/2025 10:45 |
| Project: | EO-528896 | Date Logged: | 3/19/2025 |
| | | Received by: | Carolina Garcia |
| WorkOrder №: | 2503C63 Matrix: | Logged by: | Carolina Garcia |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | NA ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | NA ☑ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 0.4°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☑ | No ☐ | NA ☐ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:

**Laboratory Job Number 528896**

**Subcontracted Products**

**Enthalpy - El Dorado Hills**

March 28, 2025

**Enthalpy Analytical - El Dorado Hills**
**Work Order No. 2503185**

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on March 19, 2025 under your Project Name 'EO-528896'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

*Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .*

**Enthalpy Analytical - EDH Work Order No. 2503185**
**Case Narrative**

**Sample Condition on Receipt:**

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

**Analytical Notes:**

**EPA Method 8290A**

The samples were extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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# Sample Inventory Report

| Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 2503185-01 | SOUTH BASIN STAGE 2 | 14-Mar-25 13:30 | 19-Mar-25 12:02 | Amber Glass NM Bottle, 1L |
| 2503185-02 | SOUTH BASIN OUTLET | 14-Mar-25 13:00 | 19-Mar-25 12:02 | Amber Glass NM Bottle, 1L |

**ANALYTICAL RESULTS**

**Sample ID: Method Blank** **EPA Method 8290A**

**Client Data**
Name: Enthalpy Analytical
Project: EO-528896
Matrix: Aqueous

**Laboratory Data**
Lab Sample: B25C306-BLK1
QC Batch: B25C306 Date Extracted: 25-Mar-25
Sample Size: 1.00 L Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.78 | 5.00 | | 26-Mar-25 15:38 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 88.6 | 40 - 135 | | 26-Mar-25 15:38 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 113 | 40 - 135 | | 26-Mar-25 15:38 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

**Sample ID: OPR** **EPA Method 8290A**

**Client Data**
Name: Enthalpy Analytical
Project: EO-528896
Matrix: Aqueous

**Laboratory Data**
Lab Sample: B25C306-BS1
QC Batch: B25C306 Date Extracted: 25-Mar-25 04:05
Sample Size: 1.00 L Column: ZB-DIOXIN

| Analyte | Amt Found (pg/L) | Spike Amt | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | 197 | 200 | 98.4 | 70-130 | | 26-Mar-25 12:58 | 1 |
| **Labeled Standards** | **Type** | | **% Recovery** | **Limits** | **Qualifiers** | **Analyzed** | **Dilution** |
| 13C-2,3,7,8-TCDD | IS | | 92.1 | 40-135 | | 26-Mar-25 12:58 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | | 106 | 40-135 | | 26-Mar-25 12:58 | 1 |

**Sample ID: SOUTH BASIN STAGE 2** **EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-528896
Matrix: Water
Date Collected: 14-Mar-25 13:30

**Laboratory Data**

Lab Sample: 2503185-01
QC Batch: B25C306
Sample Size: 1.04 L
Date Received: 19-Mar-25 12:02
Date Extracted: 25-Mar-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.71 | 4.80 | | 26-Mar-25 20:10 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 92.3 | 40 - 135 | | 26-Mar-25 20:10 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 104 | 40 - 135 | | 26-Mar-25 20:10 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

**Sample ID: SOUTH BASIN OUTLET** **EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-528896
Matrix: Water
Date Collected: 14-Mar-25 13:00

**Laboratory Data**

Lab Sample: 2503185-02
QC Batch: B25C306
Sample Size: 1.05 L
Date Received: 19-Mar-25 12:02
Date Extracted: 25-Mar-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.70 | 4.78 | | 26-Mar-25 17:09 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 94.7 | 40 - 135 | | 26-Mar-25 17:09 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 103 | 40 - 135 | | 26-Mar-25 17:09 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| B | This compound was also detected in the method blank |
| Conc. | Concentration |
| CRS | Cleanup Recovery Standard |
| D | Dilution |
| DL | Detection Limit |
| E | The associated compound concentration exceeded the calibration range of the instrument |
| EDL | Estimated Detection Limit |
| EMPC | Estimated Maximum Possible Concentration |
| H | Recovery and/or RPD was outside laboratory acceptance limits |
| I | Chemical Interference |
| IS | Internal Standard |
| J | The amount detected is below the Reporting Limit/LOQ |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| MDL | Method Detection Limit |
| NA | Not applicable |
| ND | Not Detected |
| OPR | Ongoing Precision and Recovery sample |
| P | The reported concentration may include contribution from chlorinated diphenyl ether(s). |
| Q | The ion transition ratio is outside of the acceptance criteria. |
| RL | Reporting Limit |
| RL | For 537.1, the reported RLs are the MRLs. |
| TEQ | Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations. |
| TEQMax | TEQ calculation that uses the detection limit as the concentration for non-detects |
| TEQMin | TEQ calculation that uses zero as the concentration for non-detects |
| TEQRisk | TEQ calculation that uses ½ the detection limit as the concentration for non-detects |
| U | Not Detected (specific projects only) |
| * | See Cover Letter |

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

**Enthalpy Analytical - EDH Certifications**

| Accrediting Authority | Certificate Number |
|---|---|
| Alaska Department of Environmental Conservation | 17-013 |
| Arkansas Department of Environmental Quality | 21-023-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025 | 3091.01 |
| Florida Department of Health | E87777 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2020018 |
| Michigan Department of Environmental Quality | 9932 |
| Minnesota Department of Health | 2211390 |
| Nevada Division of Environmental Protection | CA00413 |
| New Hampshire Environmental Accreditation Program | 207721 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Ohio Environmental Protection Agency | 87778 |
| Oregon Laboratory Accreditation Program | 4042-021 |
| Texas Commission on Environmental Quality | T104704189-22-13 |
| Vermont Department of Health | VT-4042 |
| Virginia Department of General Services | 11276 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.*

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2503185 3.0°C

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-528896
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN STAGE 2 | 14-MAR-2025 13:30 | 528896-001 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |
| SOUTH BASIN OUTLET | 14-MAR-2025 13:00 | 528896-002 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Quintero EA-ORA | Lauren M |
| | Date: 3/18/25 1500 | Date: 03/18/25 12:02 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

1 of 1

# CoC/Label Reconciliation Report WO# 2503185

| LabNumber | CoC Sample ID | | SampleAlias | Sample Date/Time | | Container | BaseMatrix | Sample Comments |
|---|---|---|---|---|---|---|---|---|
| 2503185-01 | A SOUTH BASIN STAGE 2 | ☑ (a) | 528896-001 | 14-Mar-25 13:30 | ☑ | Amber Glass NM Bottle, 1L | Aqueous | |
| 2503185-02 | A SOUTH BASIN OUTLET | ☑ | 528896-002 | 14-Mar-25 13:00 | ☑ | Amber Glass NM Bottle, 1L | Aqueous | |

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

| CONDITION | Yes | No | NA |
|---|---|---|---|
| Sample Container Intact? | ✓ | | |
| Sample Container(s) Custody Seals Intact? | | | ✓ |
| Custody Seals On Cooler Intact? | | | ✓ |
| Adequate Sample Volume? | ✓ | | |
| Container Type Appropriate for Analysis(es)? | ✓ | | |

Comments: (a) no backup volume

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: WWB 03/19/25

WWB 03/19/2025

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 528898
Report Level : II
Report Date : 03/28/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - SW - MPARS

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Kate Logan<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 528898<br>SW - MPARS<br>SW - MPARS<br>03/14/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN STAGE 2 | 528898-001 | 03/14/25 13:30 | Water |
| SOUTH BASIN OUTLET | 528898-002 | 03/14/25 13:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 528898<br>Project No: SW - MPARS<br>Location: SW - MPARS<br>Date Received: 03/14/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 03/14/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 200.7 and EPA 200.8):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**

- Responses exceeding the instrument's linear range were observed for sulfate in the MS/MSD for batch 366876; affected data was qualified with "E".
- No other analytical problems were encountered.

**Conductivity (SM2510B):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (SM5220D):**
No analytical problems were encountered.

**Turbidity (SM2130B):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: S28898

Page: 4 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | TOTAL METALS | 8260 + APPENDIX II | 300.0 NO3,BROMINE, FLURIDE, SO4 | TOC | COD | 8270 SIM 1 4-DIONANE | SLK, BICARB, TDS | SULFIDE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN STAGE 2 | 03/14/25 | 1330 | W | 12 | 6,2,4,1 | X | X | X | X | X | X | X | X | | |
| 2 | SOUTH BASIN OUTLET | 03/14/25 | 1300 | W | 12 | 6,2,4,1 | X | X | X | X | X | X | X | X | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Commen**

MPARS

9.2 IR11

9.3

Email report to:

Login S28898

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Matt Tuggle | CTEH | 3/14/25 1800 |
| [1] Received By: | | Hoss Darae | EA | 3.14.25 18:0 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 03/14/25 WO# 528898 Client: Waste Connections

**Section 2: Shipping / Custody** **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 03/14/25 By (initials) IHX1/0 EP Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR1 CF: +0.1

Cooler Temp (°C) #1: 9.2 / 9.3 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | X | | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | X | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

☐ **No additional discrepancies**

**Date Logged** 03/14/25 **By (print)** FPDIWA **(sign)** _____

**Date Labeled** 03/14/25 **By (print)** MSH ARA **(sign)** _____

ENTHALPY ANALYTICAL

# Analysis Results for 528898

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 528898
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 03/14/25

**Sample ID: SOUTH BASIN STAGE 2** **Lab ID: 528898-001** **Collected: 03/14/25 13:30**
**Matrix: Water**

| 528898-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **81** | | mg/L | 0.57 | 0.57 | 1 | 366136 | 03/17/25 | 03/17/25 | CAP |
| Magnesium | **13** | | mg/L | 0.10 | 0.025 | 1 | 366136 | 03/17/25 | 03/17/25 | CAP |
| Potassium | **10** | | mg/L | 0.50 | 0.42 | 1 | 366136 | 03/17/25 | 03/17/25 | CAP |
| Sodium | **60** | | mg/L | 0.50 | 0.34 | 1 | 366136 | 03/17/25 | 03/17/25 | CAP |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **440** | | ug/L | 250 | 140 | 25 | 366121 | 03/17/25 | 03/17/25 | KAM |
| Manganese | **95** | | ug/L | 50 | 21 | 5 | 366121 | 03/17/25 | 03/17/25 | KAM |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.16** | J | mg/L | 0.20 | 0.034 | 1 | 366876 | 03/24/25 16:12 | 03/24/25 20:41 | BPH |
| Nitrogen, Nitrite | **0.03** | J | mg/L | 0.10 | 0.02 | 1 | 365967 | 03/14/25 14:30 | 03/14/25 21:56 | BPH |
| Bromide | **0.39** | | mg/L | 0.30 | 0.060 | 1 | 365967 | 03/14/25 14:30 | 03/14/25 21:56 | BPH |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 365967 | 03/14/25 14:30 | 03/14/25 21:56 | BPH |
| Sulfate | **190** | | mg/L | 10 | 2.5 | 10 | 365967 | 03/14/25 14:30 | 03/14/25 22:17 | BPH |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Acetone | **190** | | ug/L | 100 | 44 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Butanone | **29** | J | ug/L | 100 | 2.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528898

| 528898-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| para-Isopropyl Toluene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 109% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane-d4 | 104% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene-d8 | 96% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528898

| 528898-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | **7.9** | | ug/L | 1.0 | 0.95 | 1 | 366150 | 03/17/25 | 03/18/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 1 | 366150 | 03/17/25 | 03/18/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366066 | 03/15/25 | 03/15/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **36** | | mg/L | 1.0 | 0.68 | 1 | 366414 | 03/19/25 | 03/20/25 | TDD |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **75** | | NTU | 0.10 | 0.009 | 1 | 366032 | 03/15/25 07:30 | 03/15/25 07:30 | ARM |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **160** | | mg/L | 6.0 | | 2.5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **130** | | mg/L | 5.0 | | 2.5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **840** | | umhos/cm | 1.0 | | 1 | 366897 | 03/24/25 | 03/24/25 | RDL |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **560** | | mg/L | 20 | | 2 | 366327 | 03/18/25 | 03/19/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **120** | | mg/L | 4.0 | 2.0 | 1 | 366771 | 03/23/25 | 03/23/25 | TDD |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528898

| Sample ID: SOUTH BASIN OUTLET | Lab ID: 528898-002 | Collected: 03/14/25 13:00 |
|---|---|---|
| | Matrix: Water | |

| 528898-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **82** | | mg/L | 0.57 | 0.57 | 1 | 366165 | 03/17/25 | 03/17/25 | CAP |
| Magnesium | **12** | | mg/L | 0.10 | 0.025 | 1 | 366165 | 03/17/25 | 03/17/25 | CAP |
| Potassium | **9.7** | | mg/L | 0.50 | 0.40 | 1 | 366165 | 03/17/25 | 03/17/25 | CAP |
| Sodium | **59** | | mg/L | 0.50 | 0.35 | 1 | 366165 | 03/17/25 | 03/17/25 | CAP |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **310** | | ug/L | 250 | 140 | 25 | 366121 | 03/17/25 | 03/17/25 | KAM |
| Manganese | **98** | | ug/L | 50 | 21 | 5 | 366121 | 03/17/25 | 03/17/25 | KAM |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.16** | J | mg/L | 0.20 | 0.034 | 1 | 366876 | 03/24/25 16:12 | 03/24/25 21:22 | BPH |
| Nitrogen, Nitrite | **0.03** | J | mg/L | 0.10 | 0.02 | 1 | 365967 | 03/14/25 14:30 | 03/14/25 23:19 | BPH |
| Bromide | **0.40** | | mg/L | 0.30 | 0.060 | 1 | 365967 | 03/14/25 14:30 | 03/14/25 23:19 | BPH |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 1 | 365967 | 03/14/25 14:30 | 03/14/25 23:19 | BPH |
| Sulfate | **200** | | mg/L | 10 | 2.5 | 10 | 365967 | 03/14/25 14:30 | 03/14/25 23:40 | BPH |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Acetone | **190** | | ug/L | 100 | 44 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Butanone | **31** | J | ug/L | 100 | 2.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 528898

| 528898-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| para-Isopropyl Toluene | **0.2** | J | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 111% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| 1,2-Dichloroethane-d4 | 103% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Toluene-d8 | 94% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 1 | 366085 | 03/16/25 | 03/16/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | **7.9** | | ug/L | 1.0 | 0.95 | 1 | 366150 | 03/17/25 | 03/18/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 102% | | %REC | 80-120 | | 1 | 366150 | 03/17/25 | 03/18/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 528898

| 528898-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 366066 | 03/15/25 | 03/15/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **40** | | mg/L | 1.0 | 0.68 | 1 | 366414 | 03/19/25 | 03/20/25 | TDD |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **54** | | NTU | 0.10 | 0.009 | 1 | 366032 | 03/15/25 07:30 | 03/15/25 07:30 | ARM |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **160** | | mg/L | 6.0 | | 2.5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Alkalinity, Total as CaCO3 | **130** | | mg/L | 5.0 | | 2.5 | 366651 | 03/21/25 | 03/21/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **800** | | umhos/cm | 1.0 | | 1 | 366897 | 03/24/25 | 03/24/25 | RDL |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **560** | | mg/L | 20 | | 2 | 366327 | 03/18/25 | 03/19/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **130** | | mg/L | 4.0 | 2.0 | 1 | 366771 | 03/23/25 | 03/23/25 | TDD |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1239697 | Batch: 366136 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1239697 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/17/25 | 03/17/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 03/17/25 | 03/17/25 |
| Potassium | ND | | mg/L | 0.50 | 0.42 | 03/17/25 | 03/17/25 |
| Sodium | ND | | mg/L | 0.50 | 0.34 | 03/17/25 | 03/17/25 |

| Type: Lab Control Sample | Lab ID: QC1239698 | Batch: 366136 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1239698 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 21.26 | 20.40 | mg/L | 104% | | 85-115 |
| Magnesium | 21.53 | 20.40 | mg/L | 106% | | 85-115 |
| Potassium | 23.91 | 24.00 | mg/L | 100% | | 85-115 |
| Sodium | 20.67 | 20.40 | mg/L | 101% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1239699 | Batch: 366136 |
|---|---|---|
| Matrix (Source ID): Water (528847-001) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1239699 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 127.6 | 109.7 | 20.40 | mg/L | 88% | NM | 75-125 | 1 |
| Magnesium | 27.41 | 6.923 | 20.40 | mg/L | 100% | | 75-125 | 1 |
| Potassium | 26.30 | 3.011 | 24.00 | mg/L | 97% | | 75-125 | 1 |
| Sodium | 49.51 | 30.12 | 20.40 | mg/L | 95% | | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1239700 | Batch: 366136 |
|---|---|---|
| Matrix (Source ID): Water (528847-001) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1239700 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 126.6 | 109.7 | 20.40 | mg/L | 83% | NM | 75-125 | 1 | 20 | 1 |
| Magnesium | 27.20 | 6.923 | 20.40 | mg/L | 99% | | 75-125 | 1 | 20 | 1 |
| Potassium | 26.03 | 3.011 | 24.00 | mg/L | 96% | | 75-125 | 1 | 20 | 1 |
| Sodium | 49.01 | 30.12 | 20.40 | mg/L | 93% | | 75-125 | 1 | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1239701 | Batch: 366136 |
|---|---|---|
| Matrix (Source ID): Water (528847-002) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1239701 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 556.3 | 515.6 | 20.40 | mg/L | 199% | NM | 75-125 | 1 |
| Magnesium | 22.88 | 3.872 | 20.40 | mg/L | 93% | | 75-125 | 1 |
| Potassium | 42.82 | 18.31 | 24.00 | mg/L | 102% | | 75-125 | 1 |
| Sodium | 32.57 | 11.88 | 20.40 | mg/L | 101% | | 75-125 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239702 | Batch: | 366136 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528847-002) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1239702 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 558.6 | 515.6 | 20.40 | mg/L | 211% | NM | 75-125 | 0 | 20 | 1 |
| Magnesium | 23.24 | 3.872 | 20.40 | mg/L | 95% | | 75-125 | 2 | 20 | 1 |
| Potassium | 43.07 | 18.31 | 24.00 | mg/L | 103% | | 75-125 | 1 | 20 | 1 |
| Sodium | 32.80 | 11.88 | 20.40 | mg/L | 103% | | 75-125 | 1 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1239899 | Batch: | 366136 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528847-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1239899 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Calcium | 112.5 | 109.7 | mg/L | | | | 5 |
| Magnesium | 7.067 | 6.923 | mg/L | | | | 5 |
| Potassium | 3.117 | 3.011 | mg/L | | | | 5 |
| Sodium | 30.46 | 30.12 | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1239784 | Batch: | 366165 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1239784 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 03/17/25 | 03/17/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 03/17/25 | 03/17/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 03/17/25 | 03/17/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 03/17/25 | 03/17/25 |

| Type: | Lab Control Sample | Lab ID: | QC1239785 | Batch: | 366165 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1239785 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 20.16 | 20.40 | mg/L | 99% | | 85-115 |
| Magnesium | 19.55 | 20.40 | mg/L | 96% | | 85-115 |
| Potassium | 22.50 | 24.00 | mg/L | 94% | | 85-115 |
| Sodium | 19.55 | 20.40 | mg/L | 96% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1239786 | Batch: | 366165 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Filtrate (528783-008) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1239786 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 245.1 | 229.8 | 20.40 | mg/L | 75% | NM | 75-125 | 1 |
| Magnesium | 90.40 | 72.27 | 20.40 | mg/L | 89% | | 75-125 | 1 |
| Potassium | 30.99 | 7.266 | 24.00 | mg/L | 99% | | 75-125 | 1 |
| Sodium | 723.4 | 713.9 | 20.40 | mg/L | 47% | NM | 75-125 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239787 | Batch: | 366165 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Filtrate (528783-008) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1239787 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 244.8 | 229.8 | 20.40 | mg/L | 73% | NM | 75-125 | 0 | 20 | 1 |
| Magnesium | 90.48 | 72.27 | 20.40 | mg/L | 89% | | 75-125 | 0 | 20 | 1 |
| Potassium | 31.33 | 7.266 | 24.00 | mg/L | 100% | | 75-125 | 1 | 20 | 1 |
| Sodium | 718.3 | 713.9 | 20.40 | mg/L | 22% | NM | 75-125 | 1 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1239818 | Batch: | 366165 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Filtrate (528783-008) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1239818 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Calcium | 238.0 | 229.8 | mg/L | | | | 5 |
| Magnesium | 74.44 | 72.27 | mg/L | | | | 5 |
| Potassium | 6.412 | 7.266 | mg/L | | | | 5 |
| Sodium | 773.9 | 713.9 | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1239630 | Batch: | 366121 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1239630 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | ug/L | 10 | 5.7 | 03/17/25 | 03/17/25 |
| Manganese | ND | | ug/L | 10 | 3.4 | 03/17/25 | 03/17/25 |

| Type: | Lab Control Sample | Lab ID: | QC1239631 | Batch: | 366121 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1239631 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 92.44 | 100.0 | ug/L | 92% | | 85-115 |
| Manganese | 101.3 | 100.0 | ug/L | 101% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1239632 | Batch: | 366121 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528849-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1239632 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 155.0 | 32.50 | 100.0 | ug/L | 123% | | 70-130 | 25 |
| Manganese | 113.6 | 4.288 | 100.0 | ug/L | 109% | | 70-130 | 25 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239633 | Batch: | 366121 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528849-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1239633 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 148.3 | 32.50 | 100.0 | ug/L | 116% | | 70-130 | 4 | 20 | 25 |
| Manganese | 110.6 | 4.288 | 100.0 | ug/L | 106% | | 70-130 | 3 | 20 | 25 |

| Type: | Blank | Lab ID: | QC1239098 | Batch: | 365967 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1239098 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 03/14/25 14:30 | 03/14/25 14:58 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 03/14/25 14:30 | 03/14/25 14:58 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 03/14/25 14:30 | 03/14/25 14:58 |
| Sulfate | ND | | mg/L | 1.0 | 0.25 | 03/14/25 14:30 | 03/14/25 14:58 |

| Type: | Lab Control Sample | Lab ID: | QC1239099 | Batch: | 365967 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1239099 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | 4.518 | 4.567 | mg/L | 99% | | 90-110 |
| Bromide | 14.84 | 15.00 | mg/L | 99% | | 90-110 |
| Nitrogen, Nitrate | 4.450 | 4.518 | mg/L | 99% | | 90-110 |
| Sulfate | 25.02 | 25.00 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1239100 | Batch: | 365967 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528688-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1239100 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | 9.240 | ND | 9.134 | mg/L | 101% | | 80-120 | 1 |
| Bromide | 15.05 | 0.1965 | 15.00 | mg/L | 99% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.180 | 0.1689 | 9.036 | mg/L | 100% | | 80-120 | 1 |
| Sulfate | 73.80 | 24.82 | 50.00 | mg/L | 98% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239101 | Batch: | 365967 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528688-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1239101 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | 9.336 | ND | 9.134 | mg/L | 102% | | 80-120 | 1 | 20 | 1 |
| Bromide | 15.23 | 0.1965 | 15.00 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.324 | 0.1689 | 9.036 | mg/L | 101% | | 80-120 | 2 | 20 | 1 |
| Sulfate | 74.32 | 24.82 | 50.00 | mg/L | 99% | | 80-120 | 1 | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1239102 | Batch: | 365967 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528844-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1239102 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | 9.263 | ND | 9.134 | mg/L | 101% | | 80-120 | 1 |
| Bromide | 14.96 | 0.06365 | 15.00 | mg/L | 99% | | 80-120 | 1 |
| Nitrogen, Nitrate | 9.355 | 0.3202 | 9.036 | mg/L | 100% | | 80-120 | 1 |
| Sulfate | 97.55 | 49.59 | 50.00 | mg/L | 96% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239103 | Batch: | 365967 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528844-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1239103 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | 9.338 | ND | 9.134 | mg/L | 102% | | 80-120 | 1 | 20 | 1 |
| Bromide | 15.07 | 0.06365 | 15.00 | mg/L | 100% | | 80-120 | 1 | 20 | 1 |
| Nitrogen, Nitrate | 9.414 | 0.3202 | 9.036 | mg/L | 101% | | 80-120 | 1 | 20 | 1 |
| Sulfate | 97.82 | 49.59 | 50.00 | mg/L | 96% | | 80-120 | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1242164 | Batch: | 366876 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1242164 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.034 | 03/24/25 16:12 | 03/24/25 18:02 |

| Type: | Lab Control Sample | Lab ID: | QC1242165 | Batch: | 366876 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1242165 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.472 | 10.00 | mg/L | 95% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1242199 | Batch: | 366876 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528828-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1242199 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.05 | 0.2514 | 20.00 | mg/L | 99% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1242200 | Batch: | 366876 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528828-001) | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1242200 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.07 | 0.2514 | 20.00 | mg/L | 99% | | 80-120 | 0 | 20 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1239512** | **Batch:** | **366085** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1239512 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 03/16/25 | 03/16/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 03/16/25 | 03/16/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 03/16/25 | 03/16/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 03/16/25 | 03/16/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Acetone | ND | | ug/L | 100 | 44 | 03/16/25 | 03/16/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 03/16/25 | 03/16/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 03/16/25 | 03/16/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.3 | 03/16/25 | 03/16/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 0.9 | 03/16/25 | 03/16/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 03/16/25 | 03/16/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 03/16/25 | 03/16/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.1 | 03/16/25 | 03/16/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |

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# Batch QC

| QC1239512 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 03/16/25 | 03/16/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 03/16/25 | 03/16/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 03/16/25 | 03/16/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 03/16/25 | 03/16/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 03/16/25 | 03/16/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 03/16/25 | 03/16/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 03/16/25 | 03/16/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 03/16/25 | 03/16/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 03/16/25 | 03/16/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 03/16/25 | 03/16/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 108% | | %REC | 70-130 | | 03/16/25 | 03/16/25 |
| 1,2-Dichloroethane-d4 | 102% | | %REC | 70-130 | | 03/16/25 | 03/16/25 |
| Toluene-d8 | 94% | | %REC | 70-130 | | 03/16/25 | 03/16/25 |
| Bromofluorobenzene | 100% | | %REC | 70-130 | | 03/16/25 | 03/16/25 |

**Type:** Lab Control Sample **Lab ID:** QC1239513 **Batch:** 366085
**Matrix:** Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1239513 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 51.67 | 50.00 | ug/L | 103% | | 70-135 |
| MTBE | 46.64 | 50.00 | ug/L | 93% | | 70-130 |
| Benzene | 46.13 | 50.00 | ug/L | 92% | | 70-130 |
| Trichloroethene | 47.44 | 50.00 | ug/L | 95% | | 70-130 |
| Toluene | 45.89 | 50.00 | ug/L | 92% | | 70-130 |
| Chlorobenzene | 47.83 | 50.00 | ug/L | 96% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 52.99 | 50.00 | ug/L | 106% | | 70-130 |
| 1,2-Dichloroethane-d4 | 49.58 | 50.00 | ug/L | 99% | | 70-130 |
| Toluene-d8 | 47.33 | 50.00 | ug/L | 95% | | 70-130 |
| Bromofluorobenzene | 46.86 | 50.00 | ug/L | 94% | | 70-130 |

# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1239514 | Batch: | 366085 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1239514 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 52.96 | 50.00 | ug/L | 106% | | 70-135 | 2 | 30 |
| MTBE | 47.26 | 50.00 | ug/L | 95% | | 70-130 | 1 | 30 |
| Benzene | 46.91 | 50.00 | ug/L | 94% | | 70-130 | 2 | 30 |
| Trichloroethene | 47.96 | 50.00 | ug/L | 96% | | 70-130 | 1 | 30 |
| Toluene | 46.26 | 50.00 | ug/L | 93% | | 70-130 | 1 | 30 |
| Chlorobenzene | 47.90 | 50.00 | ug/L | 96% | | 70-130 | 0 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 52.61 | 50.00 | ug/L | 105% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 48.45 | 50.00 | ug/L | 97% | | 70-130 | | |
| Toluene-d8 | 48.15 | 50.00 | ug/L | 96% | | 70-130 | | |
| Bromofluorobenzene | 48.83 | 50.00 | ug/L | 98% | | 70-130 | | |

| Type: | Matrix Spike | Lab ID: | QC1239535 | Batch: | 366085 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528740-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1239535 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 21.88 | ND | 20.00 | ug/L | 109% | | 70-130 | 1 |
| MTBE | 18.94 | ND | 20.00 | ug/L | 95% | | 75-130 | 1 |
| Benzene | 20.11 | ND | 20.00 | ug/L | 101% | | 70-130 | 1 |
| Trichloroethene | 21.17 | ND | 20.00 | ug/L | 106% | | 63-130 | 1 |
| Toluene | 20.04 | ND | 20.00 | ug/L | 100% | | 70-130 | 1 |
| Chlorobenzene | 20.79 | ND | 20.00 | ug/L | 104% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.62 | | 50.00 | ug/L | 103% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 49.79 | | 50.00 | ug/L | 100% | | 70-130 | 1 |
| Toluene-d8 | 47.38 | | 50.00 | ug/L | 95% | | 70-130 | 1 |
| Bromofluorobenzene | 48.92 | | 50.00 | ug/L | 98% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1239536 | Batch: | 366085 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528740-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1239536 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 19.46 | ND | 20.00 | ug/L | 97% | | 70-130 | 12 | 30 | 1 |
| MTBE | 17.86 | ND | 20.00 | ug/L | 89% | | 75-130 | 6 | 30 | 1 |
| Benzene | 18.12 | ND | 20.00 | ug/L | 91% | | 70-130 | 10 | 30 | 1 |
| Trichloroethene | 19.20 | ND | 20.00 | ug/L | 96% | | 63-130 | 10 | 30 | 1 |
| Toluene | 17.92 | ND | 20.00 | ug/L | 90% | | 70-130 | 11 | 30 | 1 |
| Chlorobenzene | 18.76 | ND | 20.00 | ug/L | 94% | | 70-130 | 10 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 53.00 | | 50.00 | ug/L | 106% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 48.92 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| Toluene-d8 | 47.40 | | 50.00 | ug/L | 95% | | 70-130 | | | 1 |
| Bromofluorobenzene | 47.64 | | 50.00 | ug/L | 95% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1239751 | Batch: | 366150 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1239751 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 03/17/25 | 03/18/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 99% | | %REC | 80-120 | | 03/17/25 | 03/18/25 |

| Type: | Lab Control Sample | Lab ID: | QC1239752 | Batch: | 366150 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1239752 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.547 | 10.00 | ug/L | 85% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 10.09 | 10.00 | ug/L | 101% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1239753 | Batch: | 366150 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1239753 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.899 | 10.00 | ug/L | 89% | | 80-120 | 4 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.779 | 10.00 | ug/L | 98% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1239432 | Batch: | 366066 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1239432 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 03/15/25 | 03/15/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1239433 **Batch:** 366066
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1239433 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1239434 **Batch:** 366066
**Matrix (Source ID):** Water (528700-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1239434 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1239435 **Batch:** 366066
**Matrix (Source ID):** Water (528700-002) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1239435 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1240626 **Batch:** 366414
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1240626 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 03/19/25 | 03/19/25 |

**Type:** Lab Control Sample **Lab ID:** QC1240627 **Batch:** 366414
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1240627 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 22.97 | 25.00 | mg/L | 92% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1240629 **Batch:** 366414
**Matrix (Source ID):** Water (528339-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1240629 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 44.37 | 16.85 | 25.00 | mg/L | 110% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1240630 **Batch:** 366414
**Matrix (Source ID):** Water (528339-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1240630 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 45.10 | 16.85 | 25.00 | mg/L | 113% | | 75-125 | 2 | 25 | 1 |

# Batch QC

| Type: | Sample Duplicate | Lab ID: | QC1239312 | Batch: | 366032 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528898-001) | Method: | SM2130B | | |

| QC1239312 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Turbidity | 75.50 | 74.50 | NTU | | 1 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1241422 | Batch: | 366651 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1241422 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Bicarbonate | ND | | mg/L | 2.0 | | 03/21/25 | 03/21/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 03/21/25 | 03/21/25 |

| Type: | Lab Control Sample | Lab ID: | QC1241423 | Batch: | 366651 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1241423 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,031 | 1000 | mg/L | 103% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1241424 | Batch: | 366651 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528898-001) | Method: | SM2320B | Prep Method: | METHOD |

| QC1241424 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Bicarbonate | 158.8 | 156.2 | mg/L | | 2 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 130.1 | 128.0 | mg/L | | 2 | 20 | 2.5 |

| Type: | Sample Duplicate | Lab ID: | QC1242217 | Batch: | 366897 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (528826-001) | Method: | SM2510B | Prep Method: | METHOD |

| QC1242217 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 1,580 | 1578 | umhos/cm | | 0 | 20 | 1 |

| Type: | Sample Duplicate | Lab ID: | QC1242218 | Batch: | 366897 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (529416-006) | Method: | SM2510B | Prep Method: | METHOD |

| QC1242218 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 402.3 | 394.5 | umhos/cm | | 2 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1240338 | **Batch:** 366327 |
| **Matrix:** Water | **Method:** SM2540C | **Prep Method:** METHOD |

| QC1240338 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 5.0 | | 03/18/25 | 03/19/25 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1240339 | **Batch:** 366327 |
| **Matrix:** Water | **Method:** SM2540C | **Prep Method:** METHOD |

| QC1240339 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 988.5 | 1000 | mg/L | 99% | | 90-110 |

| | | |
|---|---|---|
| **Type:** Sample Duplicate | **Lab ID:** QC1240340 | **Batch:** 366327 |
| **Matrix (Source ID):** Water (528837-001) | **Method:** SM2540C | **Prep Method:** METHOD |

| QC1240340 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,600 | 1654 | mg/L | | 3 | 5 | 2 |

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1241827 | **Batch:** 366771 |
| **Matrix:** Water | **Method:** SM5220D | **Prep Method:** METHOD |

| QC1241827 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 03/23/25 | 03/23/25 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1241828 | **Batch:** 366771 |
| **Matrix:** Water | **Method:** SM5220D | **Prep Method:** METHOD |

| QC1241828 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 105.0 | 100.0 | mg/L | 105% | | 90-110 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1241829 | **Batch:** 366771 |
| **Matrix (Source ID):** Water (528074-001) | **Method:** SM5220D | **Prep Method:** METHOD |

| QC1241829 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 214.0 | 114.0 | 100.0 | mg/L | 100% | | 75-125 | 2 |

| | | |
|---|---|---|
| **Type:** Matrix Spike Duplicate | **Lab ID:** QC1241830 | **Batch:** 366771 |
| **Matrix (Source ID):** Water (528074-001) | **Method:** SM5220D | **Prep Method:** METHOD |

| QC1241830 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 214.0 | 114.0 | 100.0 | mg/L | 100% | | 75-125 | 0 | 20 | 2 |

ND Not Detected
NM Not Meaningful

ENTHALPY ANALYTICAL

# Batch QC

**Laboratory Job Number 528898**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

McCampbell Analytical, Inc.
*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2503C62

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** PO-079649
**Project:** EO-528898

**Project Location:**
**Project Received:** 03/19/2025

Analytical Report reviewed & approved for release on 03/21/2025 by:

Tracy Babjar
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503C62

**Project:** EO-528898

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2503C62

**Project:** EO-528898

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503C62 |
| **Date Received:** | 03/19/2025 10:45 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 03/20/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-528898 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN STAGE 2 | 2503C62-001A | Water | 03/14/2025 13:30 | GC26 0320251105.D | 313749 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **2700** | 100 | 100 | 2 | 03/20/2025 13:58 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN OUTLET | 2503C62-002A | Water | 03/14/2025 13:00 | GC26 0320251108.D | 313749 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **3000** | 100 | 100 | 2 | 03/20/2025 15:16 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2503C62 |
| **Date Prepared:** | 03/20/2025 | **BatchID:** | 313749 |
| **Date Analyzed:** | 03/20/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-528898 | **Sample ID:** | MB/LCS/LCSD-313749 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 150 | 140 | 187.2 | 78 | 76 | 70-130 | 2.17 | 30 |

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2503C62** **ClientCode: ENO** **QuoteID: 243367**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
(714) 771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: PO-079649
Project: EO-528898

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 2 days;**

*Date Received:* **03/19/2025**
*Date Logged:* **03/19/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2503C62-001 | SOUTH BASIN STAGE 2 | Water | 3/14/2025 13:30 | ☐ | A | A | | | | | | | | | | |
| 2503C62-002 | SOUTH BASIN OUTLET | Water | 3/14/2025 13:00 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Carolina Garcia**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-528898
**Comments:**

**Work Order:** 2503C62
**QC Level:** LEVEL 2
**Date Logged:** 3/19/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH BASIN STAGE 2 | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/14/2025 13:30 | 2 days | 3/21/2025 | Present | ☐ | ☐ |
| 002A | SOUTH BASIN OUTLET | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 3/14/2025 13:00 | 2 days | 3/21/2025 | | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

**HOLD TIME RUSH**

2503C62

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 243367
PO #: PO-079649

Enthalpy Order: EO-528898
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN STAGE 2 | 14-MAR-2025 13:30 | 528898-001 | 2 | Water | RSK-175 CO2 | |
| SOUTH BASIN OUTLET | 14-MAR-2025 13:00 | 528898-002 | 2 | Water | RSK-175 CO2 | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Deutinger EA-ORA | GLS |
| | Date: 3/18/25 1500 | Date: |
| | | |
| | Date: | Date: |
| | GLS | Carlinato |
| | Date: | Date: 3/19/25 1045 |

GLS: 5627774236

1 of 1

.4 wet IR39

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 3/19/2025 10:45 |
| Project: | EO-528898 | Date Logged: | 3/19/2025 |
| | | Received by: | |
| WorkOrder №: | 2503C62 Matrix: | Logged by: | Carolina Garcia |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | NA | ☐ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 0.4°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531818
Report Level : II
Report Date : 05/09/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Stormwater - IGP

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 531818 |
| Project No: | SW - IGP |
| Location: | Stormwater - IGP |
| Date Received: | 04/26/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN WEST INLET | 531818-001 | 04/26/25 09:15 | Water |
| SOUTH BASIN EAST INLET | 531818-002 | 04/26/25 09:45 | Water |
| TRIP BLANK | 531818-003 | 04/26/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 531818<br>Project No: SW - IGP<br>Location: Stormwater - IGP<br>Date Received: 04/26/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.

**Metals (EPA 200.7):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Total Oil & Grease (HEM) (EPA 1664A):**

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

**Total Suspended Solids (TSS) (SM2540D):**

- High RPD was observed for total suspended solids in the SDUP for batch 370128; the parent sample was not a project sample.
- No other analytical problems were encountered.

**Coliform - 9221 Tests (SM 9221B and SM 9221F):**
No analytical problems were encountered.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 531818

Page: 2 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | TOTAL COLIFORM, E.COLI | 200.7 Fe | 300.0 CHLORIDE | OIL AND GREASE | TSS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN WEST INLET | 04/26/25 | 0915 | W | 5 | 6,2,4,1 | X | X | X | X | X | | | | | |
| 2 | SOUTH BASIN EAST INLET | 04/26/25 | 0945 | W | 5 | 6,2,4,1 | X | X | X | X | X | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Commen**

IGP

Email report to:

East pH 6.79 Temp. 4.6c

West 7.63 4.6c

Login 531818

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Caleb Herzog | CTEH | 4/26/2025 1355 |
| [1] Received By: | | JELBERT QUITUBUA | EA-ORA | 04/26/25 1355 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 04/26/25 WO# 531818 Client: WASTE CONNECTIONS

**Section 2: Shipping / Custody** **Are custody seals present?** ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ■ Yes ☐ No ☐ On cooler / box ■ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 04/26/25 By (initials) JRQ Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 9.5 / 9.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☐ **No microbiology samples submitted (skip 3b)**

■ Within temp range 0.0 - 10.0°C or received on ice directly from field.

■ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | | X | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | X | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

☐ **No additional discrepancies**

**Date Logged** 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

**Date Labeled** 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

ENTHALPY ANALYTICAL

# Analysis Results for 531818

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531818
Project No: SW - IGP
Location: Stormwater - IGP
Date Received: 04/26/25

**Sample ID:** SOUTH BASIN WEST INLET | **Lab ID:** 531818-001 | **Matrix:** Water | **Collected:** 04/26/25 09:15

| 531818-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | **2.7** | J | mg/L | 4.9 | 2.0 | 0.97 | 370678 | 05/07/25 | 05/08/25 | CKN |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **42** | | mg/L | 0.046 | 0.046 | 1 | 369903 | 04/28/25 | 04/29/25 | SBW |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **5.1** | | mg/L | 1.0 | 0.27 | 1 | 370362 | 05/02/25 17:20 | 05/02/25 22:47 | KUM |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 369823 | 04/26/25 14:32 | 04/28/25 14:14 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **>1,600** | | MPN/100ml | 1.8 | | 1 | 369823 | 04/26/25 14:32 | 04/28/25 14:14 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **480** | | mg/L | 0.5 | | 1 | 370128 | 04/30/25 | 05/01/25 | RDL |

**Sample ID:** SOUTH BASIN EAST INLET | **Lab ID:** 531818-002 | **Matrix:** Water | **Collected:** 04/26/25 09:45

| 531818-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | ND | | mg/L | 5.3 | 2.2 | 1.1 | 370678 | 05/07/25 | 05/08/25 | CKN |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **190** | | mg/L | 4.1 | 4.1 | 100 | 370134 | 04/30/25 | 04/30/25 | CAP |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **95** | | mg/L | 1.0 | 0.27 | 1 | 370362 | 05/02/25 17:20 | 05/02/25 23:04 | KUM |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 369823 | 04/26/25 14:32 | 04/28/25 14:14 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **>1,600** | | MPN/100ml | 1.8 | | 1 | 369823 | 04/26/25 14:32 | 04/28/25 14:14 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **13,000** | | mg/L | 0.5 | | 1 | 370128 | 04/30/25 | 05/01/25 | RDL |



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531818

| | |
|---|---|
| > | Value exceeds indicated concentration |
| J | Estimated value |
| ND | Not Detected |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1255185 | Batch: 370678 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1255185 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Oil and Grease | ND | | mg/L | 5.0 | 2.1 | 05/07/25 | 05/08/25 |

| Type: Lab Control Sample | Lab ID: QC1255186 | Batch: 370678 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1255186 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Oil and Grease | 36.20 | 40.00 | mg/L | 91% | | 78-114 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1255187 | Batch: 370678 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1255187 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Oil and Grease | 36.00 | 40.00 | mg/L | 90% | | 78-114 | 1 | 18 |

| Type: Blank | Lab ID: QC1252528 | Batch: 369903 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252528 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Iron | ND | | mg/L | 0.046 | 0.046 | 04/28/25 | 04/29/25 |

| Type: Lab Control Sample | Lab ID: QC1252529 | Batch: 369903 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252529 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Iron | 0.3896 | 0.4000 | mg/L | 97% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1252530 | Batch: 369903 |
|---|---|---|
| Matrix (Source ID): Water (531753-003) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252530 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 25.30 | 24.54 | 0.4000 | mg/L | 191% | NM | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1252531 | Batch: 369903 |
|---|---|---|
| Matrix (Source ID): Water (531753-003) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252531 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 24.79 | 24.54 | 0.4000 | mg/L | 61% | NM | 75-125 | 2 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Serial Dilution | Lab ID: | QC1252873 | Batch: | 369903 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531666-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1252873 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Iron | 19.02 | 18.87 | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1253276 | Batch: | 370134 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1253276 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Iron | ND | | mg/L | 0.041 | 0.041 | 04/30/25 | 04/30/25 |

| Type: | Lab Control Sample | Lab ID: | QC1253277 | Batch: | 370134 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1253277 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Iron | 0.3830 | 0.4000 | mg/L | 96% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1253278 | Batch: | 370134 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531918-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1253278 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 0.5054 | 0.1344 | 0.4000 | mg/L | 93% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1253279 | Batch: | 370134 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531918-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1253279 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 0.4952 | 0.1344 | 0.4000 | mg/L | 90% | | 75-125 | 2 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1253308 | Batch: | 370134 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531918-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1253308 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Iron | ND | 0.1344 | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1254075 | Batch: | 370362 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1254075 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 05/02/25 17:20 | 05/02/25 18:17 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1254076 **Batch:** 370362
**Matrix:** Water **Method:** EPA 300.0 **Prep Method:** METHOD

| QC1254076 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 46.70 | 50.00 | mg/L | 93% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1254098 **Batch:** 370362
**Matrix (Source ID):** Water (531753-005) **Method:** EPA 300.0 **Prep Method:** METHOD

| QC1254098 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 104.6 | 3.483 | 100.0 | mg/L | 101% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1254099 **Batch:** 370362
**Matrix (Source ID):** Water (531753-005) **Method:** EPA 300.0 **Prep Method:** METHOD

| QC1254099 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 115.5 | 3.483 | 100.0 | mg/L | 112% | | 80-120 | 10 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1253257 **Batch:** 370128
**Matrix:** Water **Method:** SM2540D **Prep Method:** METHOD

| QC1253257 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | mg/L | 0.5 | | 04/30/25 | 05/01/25 |

**Type:** Lab Control Sample **Lab ID:** QC1253258 **Batch:** 370128
**Matrix:** Water **Method:** SM2540D **Prep Method:** METHOD

| QC1253258 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Suspended Solids | 101.0 | 100.0 | mg/L | 101% | | 90-110 |

**Type:** Lab Control Sample Duplicate **Lab ID:** QC1253259 **Batch:** 370128
**Matrix:** Water **Method:** SM2540D **Prep Method:** METHOD

| QC1253259 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 100.1 | 100.0 | mg/L | 100% | | 90-110 | 1 | 5 |

**Type:** Sample Duplicate **Lab ID:** QC1253260 **Batch:** 370128
**Matrix (Source ID):** Water (531472-004) **Method:** SM2540D **Prep Method:** METHOD

| QC1253260 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 1,540 | 1300 | mg/L | | 17* | 5 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1253261** | **Batch:** | **370128** |
| **Matrix (Source ID):** | **Water (531472-005)** | **Method:** | **SM2540D** | **Prep Method:** | **METHOD** |

| QC1253261 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 1,050 | 927.5 | mg/L | | 12* | 5 | 1 |

* Value is outside QC limits
ND Not Detected
NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531818
Report Level : II
Report Date : 05/09/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - IGP - Stormwater - IGP

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 531818 |
| Project No: | SW - IGP |
| Location: | Stormwater - IGP |
| Date Received: | 04/26/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN WEST INLET | 531818-001 | 04/26/25 09:15 | Water |
| SOUTH BASIN EAST INLET | 531818-002 | 04/26/25 09:45 | Water |
| TRIP BLANK | 531818-003 | 04/26/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 531818<br>Project No: SW - IGP<br>Location: Stormwater - IGP<br>Date Received: 04/26/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.

**Metals (EPA 200.7):**
No analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Total Oil & Grease (HEM) (EPA 1664A):**

- Matrix spikes were not performed for this analysis due to insufficient sample volume.
- No analytical problems were encountered.

**Total Suspended Solids (TSS) (SM2540D):**

- High RPD was observed for total suspended solids in the SDUP for batch 370128; the parent sample was not a project sample.
- No other analytical problems were encountered.

**Coliform - 9221 Tests (SM 9221B and SM 9221F):**
No analytical problems were encountered.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 531818

Page: 2 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | TOTAL COLIFORM, E.COLI | 200.7 Fe | 300.0 CHLORIDE | OIL AND GREASE | TSS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN WEST INLET | 04/26/25 | 0915 | W | 5 | 6,2,4,1 | X | X | X | X | X | | | | | |
| 2 | SOUTH BASIN EAST INLET | 04/26/25 | 0945 | W | 5 | 6,2,4,1 | X | X | X | X | X | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Commen**

IGP

Email report to:

East pH 6.79 Temp. 4.6c

West 7.63 4.6c

Login 531818

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Caleb Herzog | CTEH | 4/26/2025 1355 |
| [1] Received By: | | JELBERT QUITUBUA | EA-ORA | 04/26/25 1355 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 04/26/25 WO# 531818 Client: WASTE CONNECTIONS

**Section 2: Shipping / Custody** **Are custody seals present?** ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ■ Yes ☐ No ☐ On cooler / box ■ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 04/26/25 By (initials) JRQ Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 9.5 / 9.5 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ☐ **No microbiology samples submitted (skip 3b)**

■ Within temp range 0.0 - 10.0°C or received on ice directly from field.

■ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | | X | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | | | X |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | X | | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

☐ **No additional discrepancies**

**Date Logged** 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

**Date Labeled** 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

ENTHALPY ANALYTICAL

# Analysis Results for 531818

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531818
Project No: SW - IGP
Location: Stormwater - IGP
Date Received: 04/26/25

**Sample ID:** SOUTH BASIN WEST INLET | **Lab ID:** 531818-001 | **Matrix:** Water | **Collected:** 04/26/25 09:15

| 531818-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | **2.7** | J | mg/L | 4.9 | 2.0 | 0.97 | 370678 | 05/07/25 | 05/08/25 | CKN |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **42** | | mg/L | 0.046 | 0.046 | 1 | 369903 | 04/28/25 | 04/29/25 | SBW |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **5.1** | | mg/L | 1.0 | 0.27 | 1 | 370362 | 05/02/25 17:20 | 05/02/25 22:47 | KUM |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 369823 | 04/26/25 14:32 | 04/28/25 14:14 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **>1,600** | | MPN/100ml | 1.8 | | 1 | 369823 | 04/26/25 14:32 | 04/28/25 14:14 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **480** | | mg/L | 0.5 | | 1 | 370128 | 04/30/25 | 05/01/25 | RDL |

**Sample ID:** SOUTH BASIN EAST INLET | **Lab ID:** 531818-002 | **Matrix:** Water | **Collected:** 04/26/25 09:45

| 531818-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 1664A<br>Prep Method: METHOD | | | | | | | | | | |
| Total Oil and Grease | ND | | mg/L | 5.3 | 2.2 | 1.1 | 370678 | 05/07/25 | 05/08/25 | CKN |
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Iron | **190** | | mg/L | 4.1 | 4.1 | 100 | 370134 | 04/30/25 | 04/30/25 | CAP |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Chloride | **95** | | mg/L | 1.0 | 0.27 | 1 | 370362 | 05/02/25 17:20 | 05/02/25 23:04 | KUM |
| Method: SM 9221B<br>Prep Method: METHOD | | | | | | | | | | |
| Coliform, Total | **>1,600** | | MPN/100ml | 1.8 | | 1 | 369823 | 04/26/25 14:32 | 04/28/25 14:14 | BLV |
| Method: SM 9221F | | | | | | | | | | |
| Coliform, E. Coli | **>1,600** | | MPN/100ml | 1.8 | | 1 | 369823 | 04/26/25 14:32 | 04/28/25 14:14 | BLV |
| Method: SM2540D<br>Prep Method: METHOD | | | | | | | | | | |
| Total Suspended Solids | **13,000** | | mg/L | 0.5 | | 1 | 370128 | 04/30/25 | 05/01/25 | RDL |



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531818

| | |
|---|---|
| > | Value exceeds indicated concentration |
| J | Estimated value |
| ND | Not Detected |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1255185 | Batch: 370678 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1255185 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Oil and Grease | ND | | mg/L | 5.0 | 2.1 | 05/07/25 | 05/08/25 |

| Type: Lab Control Sample | Lab ID: QC1255186 | Batch: 370678 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1255186 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Oil and Grease | 36.20 | 40.00 | mg/L | 91% | | 78-114 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1255187 | Batch: 370678 |
|---|---|---|
| Matrix: Water | Method: EPA 1664A | Prep Method: METHOD |

| QC1255187 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Oil and Grease | 36.00 | 40.00 | mg/L | 90% | | 78-114 | 1 | 18 |

| Type: Blank | Lab ID: QC1252528 | Batch: 369903 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252528 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Iron | ND | | mg/L | 0.046 | 0.046 | 04/28/25 | 04/29/25 |

| Type: Lab Control Sample | Lab ID: QC1252529 | Batch: 369903 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252529 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Iron | 0.3896 | 0.4000 | mg/L | 97% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1252530 | Batch: 369903 |
|---|---|---|
| Matrix (Source ID): Water (531753-003) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252530 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 25.30 | 24.54 | 0.4000 | mg/L | 191% | NM | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1252531 | Batch: 369903 |
|---|---|---|
| Matrix (Source ID): Water (531753-003) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252531 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 24.79 | 24.54 | 0.4000 | mg/L | 61% | NM | 75-125 | 2 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: | Serial Dilution | Lab ID: | QC1252873 | Batch: | 369903 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531666-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1252873 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Iron | 19.02 | 18.87 | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1253276 | Batch: | 370134 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1253276 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Iron | ND | | mg/L | 0.041 | 0.041 | 04/30/25 | 04/30/25 |

| Type: | Lab Control Sample | Lab ID: | QC1253277 | Batch: | 370134 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1253277 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Iron | 0.3830 | 0.4000 | mg/L | 96% | | 85-115 |

| Type: | Matrix Spike | Lab ID: | QC1253278 | Batch: | 370134 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531918-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1253278 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Iron | 0.5054 | 0.1344 | 0.4000 | mg/L | 93% | | 75-125 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1253279 | Batch: | 370134 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531918-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1253279 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Iron | 0.4952 | 0.1344 | 0.4000 | mg/L | 90% | | 75-125 | 2 | 20 | 1 |

| Type: | Serial Dilution | Lab ID: | QC1253308 | Batch: | 370134 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531918-001) | Method: | EPA 200.7 | Prep Method: | EPA 3015A |

| QC1253308 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Iron | ND | 0.1344 | mg/L | | | | 5 |

| Type: | Blank | Lab ID: | QC1254075 | Batch: | 370362 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 300.0 | Prep Method: | METHOD |

| QC1254075 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | mg/L | 1.0 | 0.27 | 05/02/25 17:20 | 05/02/25 18:17 |

ENTHALPY ANALYTICAL

# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1254076 **Batch:** 370362
**Matrix:** Water **Method:** EPA 300.0 **Prep Method:** METHOD

| QC1254076 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chloride | 46.70 | 50.00 | mg/L | 93% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1254098 **Batch:** 370362
**Matrix (Source ID):** Water (531753-005) **Method:** EPA 300.0 **Prep Method:** METHOD

| QC1254098 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chloride | 104.6 | 3.483 | 100.0 | mg/L | 101% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1254099 **Batch:** 370362
**Matrix (Source ID):** Water (531753-005) **Method:** EPA 300.0 **Prep Method:** METHOD

| QC1254099 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 115.5 | 3.483 | 100.0 | mg/L | 112% | | 80-120 | 10 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1253257 **Batch:** 370128
**Matrix:** Water **Method:** SM2540D **Prep Method:** METHOD

| QC1253257 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | mg/L | 0.5 | | 04/30/25 | 05/01/25 |

**Type:** Lab Control Sample **Lab ID:** QC1253258 **Batch:** 370128
**Matrix:** Water **Method:** SM2540D **Prep Method:** METHOD

| QC1253258 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Suspended Solids | 101.0 | 100.0 | mg/L | 101% | | 90-110 |

**Type:** Lab Control Sample Duplicate **Lab ID:** QC1253259 **Batch:** 370128
**Matrix:** Water **Method:** SM2540D **Prep Method:** METHOD

| QC1253259 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 100.1 | 100.0 | mg/L | 100% | | 90-110 | 1 | 5 |

**Type:** Sample Duplicate **Lab ID:** QC1253260 **Batch:** 370128
**Matrix (Source ID):** Water (531472-004) **Method:** SM2540D **Prep Method:** METHOD

| QC1253260 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 1,540 | 1300 | mg/L | | 17* | 5 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Duplicate** | **Lab ID:** | **QC1253261** | **Batch:** | **370128** |
| **Matrix (Source ID):** | **Water (531472-005)** | **Method:** | **SM2540D** | **Prep Method:** | **METHOD** |

| QC1253261 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 1,050 | 927.5 | mg/L | | 12* | 5 | 1 |

* Value is outside QC limits
ND Not Detected
NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

| | | |
|---|---|---|
| Lab Job Number | : | 531817 |
| Report Level | : | II |
| Report Date | : | 05/13/2025 |
| **Revision** | : | **2 (See narrative)** |

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - APPENDIX II - SW - APPENDIX II

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo
Drive
Castaic, CA 91384

| | |
|---|---|
| Lab Job #: | 531817 |
| Project No: | SW - APPENDIX II |
| Location: | SW - APPENDIX II |
| Date Received: | 04/26/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN WEST INLET | 531817-001 | 04/26/25 09:15 | Water |
| SOUTH BASIN EAST INLET | 531817-002 | 04/26/25 09:45 | Water |
| TRIP BLANK | 531817-003 | 04/26/25 00:00 | Water |

ENTHALPY ANALYTICAL

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 531817<br>Project No: SW - APPENDIX II<br>Location: SW - APPENDIX II<br>Date Received: 04/26/25 |

- This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.
- This report was revised on 05/13/25 to include sub contracted 8290 and 8141 data.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Semivolatile Organics by GC/MS (EPA 8270C):**

- High responses were observed for 4-chloro-3-methylphenol, N-nitroso-di-n-propylamine, and phenol in the CCV analyzed 04/27/25 17:46; affected data was qualified with "b".
- Low recovery was observed for N-nitroso-di-n-propylamine in the matrix spike for batch 369835; the parent sample was not a project sample, and the BS/BSD were within limits.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Pesticides (EPA 8081A):**
No analytical problems were encountered.

**PCBs (EPA 8082):**
No analytical problems were encountered.

**Metals (EPA 200.8 and EPA 245.1):**

- Tin was detected between the MDL and the RL in the method blank for batch 369931; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

**Total Phenolics (EPA 420.1):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Cyanide - Semi-Automated Method (SM 4500-CN-E and SM 4500-CN-E):**

- Low recoveries were observed for cyanide in the MS/MSD for batch 370243; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for cyanide.
- No other analytical problems were encountered.

**Organophosphorus Pesticides (EPA 8141A):**
Pace Laboratories in Bakersfield, CA performed the analysis (see sublab report section for certifications). Please see the Pace Laboratories case narrative.

**8151A Chlorinated Herbicides (EPA 8151A):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (NELAP certified). Please see the McCampbell Analytical, Inc. case narrative.

**Dioxins & Furans (EPA 8290):**
Enthalpy - El Dorado Hills in El Dorado Hills, CA performed the analysis (see sublab report section for certifications). Please see the Enthalpy - El Dorado Hills case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 531817

Page: 1 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | TOTAL METALS | 8260 + APPENDIX II | RSK175 CO2,8620 ACROLEIN/ACRYLONITRILE | 8260+ APPII, 8081/8082,8184,8551,8290,2,3 | CYANIDE | PHENOLS | SULFIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN WEST INLET | 04/26/25 | 0915 | W | 17 | 6,2,4,1 | X | X | X | X | X | X | X |
| 2 | SOUTH BASIN EAST INLET | 04/26/25 | 0945 | W | 17 | 6,2,4,1 | X | X | X | X | X | X | X |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |

**Analysis Request**

**Test Instructions / Commen**

APPENDIX II

Email report to:

East 6.79 4.6C

West 7.63 4.6C

Login 531817

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Caleb Henry | CTEH | 4/26/2025 1355 |
| [1] Received By: | | JEBERT QUITUAVA | EA-ORA | 04/26/25 1355 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 04/26/25 WO# 531817 Client: WASTE CONNECTIONS

**Section 2: Shipping / Custody** **Are custody seals present?** ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ■ Yes ☐ No ☐ On cooler / box ■ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 04/26/25 By (initials) JRQ Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 8.2 / 8.2 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| Section 4: Containers / Labels / Samples | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | | X | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | X | | |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | X | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

4.13) SAMPLE 001 & 002 - 2 OF 3 HCL PRES. VOA VIALS W/ HEADSPACE > 6MM

☐ **No additional discrepancies**

**Date Logged** 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

**Date Labeled** 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

ENTHALPY ANALYTICAL

# Analysis Results for 531817

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531817
Project No: SW - APPENDIX II
Location: SW - APPENDIX II
Date Received: 04/26/25

**Sample ID:** SOUTH BASIN WEST INLET | **Lab ID:** 531817-001 | **Matrix:** Water | **Collected:** 04/26/25 09:15

| 531817-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Tin | **0.59** | B,J | ug/L | 5.0 | 0.49 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Antimony | **2.5** | | ug/L | 2.0 | 0.31 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Arsenic | **11** | | ug/L | 2.0 | 0.22 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Barium | **210** | | ug/L | 5.0 | 0.46 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Beryllium | ND | | ug/L | 10 | 2.1 | 10 | 369931 | 04/28/25 | 04/30/25 | KAM |
| Cadmium | **0.79** | J | ug/L | 1.0 | 0.26 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Chromium | **25** | | ug/L | 5.0 | 0.34 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Cobalt | **10** | | ug/L | 1.0 | 0.074 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Copper | **40** | | ug/L | 3.0 | 2.0 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Lead | **26** | | ug/L | 5.0 | 0.16 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Nickel | **22** | | ug/L | 5.0 | 0.84 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Selenium | ND | | ug/L | 2.0 | 1.6 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Silver | ND | | ug/L | 5.0 | 0.51 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Thallium | **0.21** | J | ug/L | 1.0 | 0.19 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Vanadium | **43** | | ug/L | 5.0 | 0.36 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Zinc | **150** | | ug/L | 10 | 7.4 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | ND | | ug/L | 0.40 | 0.17 | 1 | 369869 | 04/28/25 | 04/28/25 | MLL |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 1 | 369886 | 04/28/25 | 04/28/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| beta-BHC | ND | | ug/L | 0.05 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Heptachlor | ND | | ug/L | 0.05 | 0.01 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aldrin | ND | | ug/L | 0.05 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endosulfan I | ND | | ug/L | 0.05 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Dieldrin | ND | | ug/L | 0.09 | 0.01 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| 4,4'-DDE | ND | | ug/L | 0.09 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endrin | ND | | ug/L | 0.09 | 0.01 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endosulfan II | ND | | ug/L | 0.09 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endosulfan sulfate | ND | | ug/L | 0.09 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| 4,4'-DDD | ND | | ug/L | 0.09 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endrin aldehyde | ND | | ug/L | 0.09 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endrin ketone | ND | | ug/L | 0.09 | 0.02 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531817

| 531817-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | ND | | ug/L | 0.09 | 0.03 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Methoxychlor | ND | | ug/L | 0.09 | 0.06 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Toxaphene | ND | | ug/L | 1.8 | 0.7 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Chlordane (Technical) | ND | | ug/L | 0.9 | 0.2 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| TCMX | 76% | | %REC | 14-120 | | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Decachlorobiphenyl | 76% | | %REC | 20-120 | | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.45 | 0.34 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1221 | ND | | ug/L | 0.45 | 0.37 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1232 | ND | | ug/L | 0.45 | 0.33 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1242 | ND | | ug/L | 0.45 | 0.32 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1248 | ND | | ug/L | 0.45 | 0.31 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1254 | ND | | ug/L | 0.45 | 0.16 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1260 | ND | | ug/L | 0.45 | 0.41 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1262 | ND | | ug/L | 0.45 | 0.36 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1268 | ND | | ug/L | 0.45 | 0.23 | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 88% | | %REC | 18-126 | | 0.91 | 369893 | 04/28/25 | 04/28/25 | MES |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.7 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.6 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Ethanol | ND | | ug/L | 500 | 250 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.8 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Isopropanol (IPA) | ND | | ug/L | 200 | 64 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 2.5 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.7 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Iodomethane | ND | | ug/L | 5.8 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 2-Butanone | ND | | ug/L | 10 | 2.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531817

| 531817-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 0.9 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| para-Isopropyl Toluene | **0.3** | J | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| TIC:Furan | **1.7** | J | ug/L | | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |

| Surrogates | Limits |
|---|---|



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531817

| 531817-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 101% | | %REC | 70-130 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Toluene-d8 | 102% | | %REC | 70-130 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Bromofluorobenzene | 102% | | %REC | 70-130 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 0.67 | 0.34 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 0.67 | 0.32 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Naphthalene | ND | | ug/L | 0.67 | 0.28 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 0.67 | 0.31 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Acenaphthene | ND | | ug/L | 0.67 | 0.29 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Fluorene | ND | | ug/L | 0.67 | 0.31 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Phenanthrene | ND | | ug/L | 0.67 | 0.27 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Anthracene | ND | | ug/L | 0.67 | 0.31 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Fluoranthene | ND | | ug/L | 0.67 | 0.26 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Pyrene | ND | | ug/L | 0.67 | 0.25 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 0.67 | 0.17 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Chrysene | ND | | ug/L | 0.67 | 0.23 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 0.67 | 0.16 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 0.67 | 0.20 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 0.67 | 0.19 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.67 | 0.35 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.67 | 0.35 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.67 | 0.34 | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 66% | | %REC | 16-125 | | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| 2-Fluorobiphenyl | 64% | | %REC | 17-120 | | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Terphenyl-d14 | 87% | | %REC | 39-123 | | 1.3 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 33 | 6.3 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Pyridine | ND | | ug/L | 33 | 5.7 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| N-Nitrosodimethylamine | ND | | ug/L | 33 | 9.4 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Phenol | ND | | ug/L | 33 | 5.8 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Aniline | ND | | ug/L | 33 | 11 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| bis(2-Chloroethyl)ether | ND | | ug/L | 83 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2-Chlorophenol | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 1,3-Dichlorobenzene | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 1,4-Dichlorobenzene | ND | | ug/L | 33 | 14 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Benzyl alcohol | ND | | ug/L | 83 | 17 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 1,2-Dichlorobenzene | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2-Methylphenol | ND | | ug/L | 33 | 11 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 33 | 14 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 3-,4-Methylphenol | ND | | ug/L | 33 | 10 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 33 | 14 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Hexachloroethane | ND | | ug/L | 33 | 12 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Nitrobenzene | ND | | ug/L | 83 | 28 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Isophorone | ND | | ug/L | 33 | 14 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2-Nitrophenol | ND | | ug/L | 33 | 15 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2,4-Dimethylphenol | ND | | ug/L | 33 | 12 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Benzoic acid | **42** | J | ug/L | 170 | 25 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531817

| 531817-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| bis(2-Chloroethoxy)methane | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2,4-Dichlorophenol | ND | | ug/L | 33 | 15 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 33 | 14 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Naphthalene | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 4-Chloroaniline | ND | | ug/L | 33 | 12 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Hexachlorobutadiene | ND | | ug/L | 33 | 11 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 4-Chloro-3-methylphenol | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 33 | 12 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Hexachlorocyclopentadiene | ND | | ug/L | 83 | 34 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2,4,6-Trichlorophenol | ND | | ug/L | 33 | 15 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2,4,5-Trichlorophenol | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2-Chloronaphthalene | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2-Nitroaniline | ND | | ug/L | 170 | 11 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Dimethylphthalate | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 33 | 16 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2,6-Dinitrotoluene | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 3-Nitroaniline | ND | | ug/L | 33 | 12 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Acenaphthene | ND | | ug/L | 33 | 12 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2,4-Dinitrophenol | ND | | ug/L | 170 | 26 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 4-Nitrophenol | ND | | ug/L | 170 | 19 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Dibenzofuran | ND | | ug/L | 33 | 12 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2,4-Dinitrotoluene | ND | | ug/L | 33 | 11 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Diethylphthalate | ND | | ug/L | 33 | 10 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Fluorene | ND | | ug/L | 33 | 11 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 33 | 12 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 4-Nitroaniline | ND | | ug/L | 33 | 11 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 170 | 43 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| N-Nitrosodiphenylamine | ND | | ug/L | 33 | 19 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 4-Bromophenyl-phenylether | ND | | ug/L | 33 | 13 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Hexachlorobenzene | ND | | ug/L | 33 | 12 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Pentachlorophenol | ND | | ug/L | 83 | 11 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Phenanthrene | ND | | ug/L | 33 | 9.0 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Anthracene | ND | | ug/L | 33 | 8.8 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Di-n-butylphthalate | ND | | ug/L | 33 | 5.8 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Fluoranthene | ND | | ug/L | 33 | 5.4 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Benzidine | ND | | ug/L | 170 | 48 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Pyrene | ND | | ug/L | 33 | 6.3 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Butylbenzylphthalate | ND | | ug/L | 33 | 7.2 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 83 | 12 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 33 | 3.3 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Chrysene | ND | | ug/L | 33 | 4.1 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 33 | 11 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Di-n-octylphthalate | ND | | ug/L | 33 | 4.2 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 33 | 4.0 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 33 | 4.6 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 33 | 4.7 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 33 | 4.0 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 33 | 4.9 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 33 | 5.0 | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531817

| 531817-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:Acetonitrile | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:Acetophenone | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:Chlorobenzilate | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:Diallate | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:Thionazin | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 38% | | %REC | 10-140 | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Phenol-d6 | 26% | | %REC | 10-140 | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2,4,6-Tribromophenol | 85% | | %REC | 12-140 | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Nitrobenzene-d5 | 63% | | %REC | 10-140 | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| 2-Fluorobiphenyl | 62% | | %REC | 11-140 | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Terphenyl-d14 | 76% | | %REC | 20-140 | | 3.3 | 369835 | 04/27/25 | 04/30/25 | ZFA |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | **0.0051** | | mg/L | 0.0050 | 0.0021 | 0.5 | 370243 | 05/01/25 | 05/01/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369874 | 04/28/25 | 04/28/25 | DXA |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531817

| Sample ID: | Lab ID: 531817-002 | Collected: 04/26/25 09:45 |
|---|---|---|
| SOUTH BASIN EAST INLET | Matrix: Water | |

| 531817-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Tin | ND | | ug/L | 5.0 | 0.49 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Antimony | **1.6** | J | ug/L | 2.0 | 0.31 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Arsenic | **49** | | ug/L | 2.0 | 0.22 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Barium | **2,500** | | ug/L | 250 | 23 | 50 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Beryllium | **11** | | ug/L | 10 | 2.1 | 10 | 369931 | 04/28/25 | 04/30/25 | KAM |
| Cadmium | **8.7** | | ug/L | 1.0 | 0.26 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Chromium | **160** | | ug/L | 5.0 | 0.34 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Cobalt | **120** | | ug/L | 1.0 | 0.074 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Copper | **410** | | ug/L | 3.0 | 2.0 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Lead | **380** | | ug/L | 5.0 | 0.16 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Nickel | **210** | | ug/L | 5.0 | 0.84 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Selenium | **25** | | ug/L | 2.0 | 1.6 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Silver | **2.8** | J | ug/L | 5.0 | 0.51 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Thallium | **0.66** | J | ug/L | 1.0 | 0.19 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Vanadium | **260** | | ug/L | 5.0 | 0.36 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Zinc | **1,800** | | ug/L | 10 | 7.4 | 1 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Method: EPA 245.1<br>Prep Method: EPA 245.1 | | | | | | | | | | |
| Mercury | **4.5** | | ug/L | 0.40 | 0.17 | 1 | 369869 | 04/28/25 | 04/28/25 | MLL |
| Method: EPA 420.1<br>Prep Method: METHOD | | | | | | | | | | |
| Total Phenolics | ND | | mg/L | 0.011 | 0.0052 | 1.1 | 369886 | 04/28/25 | 04/28/25 | LVL |
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| beta-BHC | ND | | ug/L | 0.05 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Heptachlor | ND | | ug/L | 0.05 | 0.01 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aldrin | ND | | ug/L | 0.05 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endosulfan I | ND | | ug/L | 0.05 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Dieldrin | ND | | ug/L | 0.1 | 0.01 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| 4,4'-DDE | ND | | ug/L | 0.1 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endrin | ND | | ug/L | 0.1 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endosulfan II | ND | | ug/L | 0.1 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endosulfan sulfate | ND | | ug/L | 0.1 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| 4,4'-DDD | ND | | ug/L | 0.1 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endrin aldehyde | ND | | ug/L | 0.1 | 0.03 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Endrin ketone | ND | | ug/L | 0.1 | 0.02 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| 4,4'-DDT | ND | | ug/L | 0.1 | 0.04 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Methoxychlor | ND | | ug/L | 0.1 | 0.06 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Toxaphene | ND | | ug/L | 1.9 | 0.8 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Chlordane (Technical) | ND | | ug/L | 1.0 | 0.2 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531817

| 531817-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TCMX | 91% | | %REC | 14-120 | | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Decachlorobiphenyl | 71% | | %REC | 20-120 | | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.48 | 0.36 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1221 | ND | | ug/L | 0.48 | 0.39 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1232 | ND | | ug/L | 0.48 | 0.34 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1242 | ND | | ug/L | 0.48 | 0.33 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1248 | ND | | ug/L | 0.48 | 0.33 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1254 | ND | | ug/L | 0.48 | 0.17 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1260 | ND | | ug/L | 0.48 | 0.43 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1262 | ND | | ug/L | 0.48 | 0.38 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Aroclor-1268 | ND | | ug/L | 0.48 | 0.24 | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| **Surrogates** | | | | **Limits** | | | | | | |
| Decachlorobiphenyl (PCB) | 81% | | %REC | 18-126 | | 0.96 | 369893 | 04/28/25 | 04/28/25 | MES |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.7 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Chloroprene | ND | | ug/L | 200 | 0.6 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Ethanol | ND | | ug/L | 500 | 250 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.8 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Isopropanol (IPA) | ND | | ug/L | 200 | 64 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Vinyl Acetate | ND | | ug/L | 50 | 2.5 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Acrolein | ND | | ug/L | 200 | 2.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Acrylonitrile | ND | | ug/L | 10 | 0.7 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Iodomethane | ND | | ug/L | 5.8 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Acetone | ND | | ug/L | 100 | 44 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 2-Butanone | ND | | ug/L | 10 | 2.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531817

| 531817-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 1.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 0.9 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| para-Isopropyl Toluene | **0.3** | J | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| TIC: | ND | | | | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 107% | | %REC | 70-130 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| 1,2-Dichloroethane-d4 | 107% | | %REC | 70-130 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Toluene-d8 | 98% | | %REC | 70-130 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |
| Bromofluorobenzene | 101% | | %REC | 70-130 | | 1 | 369844 | 04/27/25 | 04/27/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531817

| 531817-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3510C | | | | | | | | | | |
| 1-Methylnaphthalene | ND | | ug/L | 0.53 | 0.27 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| 2-Methylnaphthalene | ND | | ug/L | 0.53 | 0.26 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Naphthalene | ND | | ug/L | 0.53 | 0.22 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Acenaphthylene | ND | | ug/L | 0.53 | 0.25 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Acenaphthene | ND | | ug/L | 0.53 | 0.23 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Fluorene | ND | | ug/L | 0.53 | 0.25 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Phenanthrene | ND | | ug/L | 0.53 | 0.21 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Anthracene | ND | | ug/L | 0.53 | 0.25 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Fluoranthene | ND | | ug/L | 0.53 | 0.20 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Pyrene | ND | | ug/L | 0.53 | 0.20 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Benzo(a)anthracene | ND | | ug/L | 0.53 | 0.14 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Chrysene | ND | | ug/L | 0.53 | 0.18 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Benzo(b)fluoranthene | ND | | ug/L | 0.53 | 0.12 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Benzo(k)fluoranthene | ND | | ug/L | 0.53 | 0.16 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Benzo(a)pyrene | ND | | ug/L | 0.53 | 0.15 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.53 | 0.28 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.53 | 0.28 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.53 | 0.27 | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| Nitrobenzene-d5 | 71% | | %REC | 16-125 | | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| 2-Fluorobiphenyl | 71% | | %REC | 17-120 | | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Terphenyl-d14 | 91% | | %REC | 39-123 | | 1.1 | 369948 | 04/29/25 | 04/30/25 | ZFA |
| Method: EPA 8270C<br>Prep Method: EPA 3510C | | | | | | | | | | |
| Carbazole | ND | | ug/L | 500 | 94 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Pyridine | ND | | ug/L | 500 | 85 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| N-Nitrosodimethylamine | ND | | ug/L | 500 | 140 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Phenol | ND | | ug/L | 500 | 87 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Aniline | ND | | ug/L | 500 | 160 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| bis(2-Chloroethyl)ether | ND | | ug/L | 1,300 | 200 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2-Chlorophenol | ND | | ug/L | 500 | 190 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 1,3-Dichlorobenzene | ND | | ug/L | 500 | 200 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 1,4-Dichlorobenzene | ND | | ug/L | 500 | 210 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Benzyl alcohol | ND | | ug/L | 1,300 | 260 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 1,2-Dichlorobenzene | ND | | ug/L | 500 | 200 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2-Methylphenol | ND | | ug/L | 500 | 160 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 500 | 210 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 3-,4-Methylphenol | ND | | ug/L | 500 | 150 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 500 | 210 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Hexachloroethane | ND | | ug/L | 500 | 190 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Nitrobenzene | ND | | ug/L | 1,300 | 420 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Isophorone | ND | | ug/L | 500 | 210 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2-Nitrophenol | ND | | ug/L | 500 | 230 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2,4-Dimethylphenol | ND | | ug/L | 500 | 190 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Benzoic acid | ND | | ug/L | 2,500 | 380 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 500 | 200 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2,4-Dichlorophenol | ND | | ug/L | 500 | 220 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 500 | 200 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Naphthalene | ND | | ug/L | 500 | 190 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531817

| 531817-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Chloroaniline | ND | | ug/L | 500 | 180 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Hexachlorobutadiene | ND | | ug/L | 500 | 160 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 4-Chloro-3-methylphenol | ND | | ug/L | 500 | 200 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2-Methylnaphthalene | ND | | ug/L | 500 | 180 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Hexachlorocyclopentadiene | ND | | ug/L | 1,300 | 510 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2,4,6-Trichlorophenol | ND | | ug/L | 500 | 220 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2,4,5-Trichlorophenol | ND | | ug/L | 500 | 200 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2-Chloronaphthalene | ND | | ug/L | 500 | 190 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2-Nitroaniline | ND | | ug/L | 2,500 | 170 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Dimethylphthalate | ND | | ug/L | 500 | 200 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Acenaphthylene | ND | | ug/L | 500 | 240 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2,6-Dinitrotoluene | ND | | ug/L | 500 | 200 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 3-Nitroaniline | ND | | ug/L | 500 | 180 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Acenaphthene | ND | | ug/L | 500 | 180 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2,4-Dinitrophenol | ND | | ug/L | 2,500 | 380 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 4-Nitrophenol | ND | | ug/L | 2,500 | 280 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Dibenzofuran | ND | | ug/L | 500 | 180 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2,4-Dinitrotoluene | ND | | ug/L | 500 | 170 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Diethylphthalate | ND | | ug/L | 500 | 150 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Fluorene | ND | | ug/L | 500 | 170 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 500 | 180 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 4-Nitroaniline | ND | | ug/L | 500 | 160 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 2,500 | 640 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| N-Nitrosodiphenylamine | ND | | ug/L | 500 | 290 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 500 | 190 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 4-Bromophenyl-phenylether | ND | | ug/L | 500 | 200 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Hexachlorobenzene | ND | | ug/L | 500 | 180 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Pentachlorophenol | ND | | ug/L | 1,300 | 160 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Phenanthrene | ND | | ug/L | 500 | 130 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Anthracene | ND | | ug/L | 500 | 130 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Di-n-butylphthalate | ND | | ug/L | 500 | 87 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Fluoranthene | ND | | ug/L | 500 | 81 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Benzidine | ND | | ug/L | 2,500 | 720 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Pyrene | ND | | ug/L | 500 | 94 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Butylbenzylphthalate | ND | | ug/L | 500 | 110 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 1,300 | 170 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Benzo(a)anthracene | ND | | ug/L | 500 | 49 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Chrysene | ND | | ug/L | 500 | 62 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 500 | 170 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Di-n-octylphthalate | ND | | ug/L | 500 | 63 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Benzo(b)fluoranthene | ND | | ug/L | 500 | 60 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Benzo(k)fluoranthene | ND | | ug/L | 500 | 69 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Benzo(a)pyrene | ND | | ug/L | 500 | 70 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 500 | 59 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Dibenz(a,h)anthracene | ND | | ug/L | 500 | 73 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Benzo(g,h,i)perylene | ND | | ug/L | 500 | 74 | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:Acetonitrile | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531817

| 531817-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| TIC:Acetophenone | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:Chlorobenzilate | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:Diallate | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:Thionazin | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| **Surrogates** | | | | **Limits** | | | | | | |
| 2-Fluorophenol | 33% | | %REC | 10-140 | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Phenol-d6 | 26% | | %REC | 10-140 | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2,4,6-Tribromophenol | 62% | | %REC | 12-140 | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Nitrobenzene-d5 | 45% | | %REC | 10-140 | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| 2-Fluorobiphenyl | 53% | | %REC | 11-140 | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Terphenyl-d14 | 59% | | %REC | 20-140 | | 50 | 370314 | 05/02/25 | 05/03/25 | TJW |
| Method: SM 4500-CN-E<br>Prep Method: METHOD | | | | | | | | | | |
| Cyanide | **0.0054** | | mg/L | 0.0050 | 0.0021 | 0.5 | 370243 | 05/01/25 | 05/01/25 | DAD |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 369874 | 04/28/25 | 04/28/25 | DXA |

B Contamination found in associated Method Blank
J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| | | |
|---|---|---|
| **Type: Blank** | **Lab ID: QC1252604** | **Batch: 369931** |
| **Matrix: Water** | **Method: EPA 200.8** | **Prep Method: EPA 3015A** |

| QC1252604 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Tin | 0.49 | J | ug/L | 5.0 | 0.49 | 04/28/25 | 04/28/25 |
| Antimony | ND | | ug/L | 2.0 | 0.31 | 04/28/25 | 04/28/25 |
| Arsenic | ND | | ug/L | 2.0 | 0.22 | 04/28/25 | 04/28/25 |
| Barium | ND | | ug/L | 5.0 | 0.46 | 04/28/25 | 04/28/25 |
| Beryllium | ND | | ug/L | 1.0 | 0.076 | 04/28/25 | 04/29/25 |
| Cadmium | ND | | ug/L | 1.0 | 0.26 | 04/28/25 | 04/28/25 |
| Chromium | ND | | ug/L | 5.0 | 0.34 | 04/28/25 | 04/28/25 |
| Cobalt | ND | | ug/L | 1.0 | 0.074 | 04/28/25 | 04/28/25 |
| Copper | ND | | ug/L | 3.0 | 2.0 | 04/28/25 | 04/28/25 |
| Lead | ND | | ug/L | 5.0 | 0.16 | 04/28/25 | 04/28/25 |
| Nickel | ND | | ug/L | 5.0 | 0.84 | 04/28/25 | 04/28/25 |
| Selenium | ND | | ug/L | 2.0 | 1.6 | 04/28/25 | 04/28/25 |
| Silver | ND | | ug/L | 5.0 | 0.51 | 04/28/25 | 04/29/25 |
| Thallium | ND | | ug/L | 1.0 | 0.19 | 04/28/25 | 04/28/25 |
| Vanadium | ND | | ug/L | 5.0 | 0.36 | 04/28/25 | 04/28/25 |
| Zinc | ND | | ug/L | 10 | 7.4 | 04/28/25 | 04/28/25 |

| | | |
|---|---|---|
| **Type: Lab Control Sample** | **Lab ID: QC1252605** | **Batch: 369931** |
| **Matrix: Water** | **Method: EPA 200.8** | **Prep Method: EPA 3015A** |

| QC1252605 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Tin | 96.21 | 100.0 | ug/L | 96% | | 85-115 |
| Antimony | 101.7 | 100.0 | ug/L | 102% | | 85-115 |
| Arsenic | 96.60 | 100.0 | ug/L | 97% | | 85-115 |
| Barium | 91.29 | 100.0 | ug/L | 91% | | 85-115 |
| Beryllium | 99.22 | 100.0 | ug/L | 99% | | 85-115 |
| Cadmium | 89.09 | 100.0 | ug/L | 89% | | 85-115 |
| Chromium | 98.73 | 100.0 | ug/L | 99% | | 85-115 |
| Cobalt | 104.3 | 100.0 | ug/L | 104% | | 85-115 |
| Copper | 102.0 | 100.0 | ug/L | 102% | | 85-115 |
| Lead | 90.98 | 100.0 | ug/L | 91% | | 85-115 |
| Nickel | 103.2 | 100.0 | ug/L | 103% | | 85-115 |
| Selenium | 94.70 | 100.0 | ug/L | 95% | | 85-115 |
| Silver | 49.64 | 50.00 | ug/L | 99% | | 85-115 |
| Thallium | 90.56 | 100.0 | ug/L | 91% | | 85-115 |
| Vanadium | 98.16 | 100.0 | ug/L | 98% | | 85-115 |
| Zinc | 100.3 | 100.0 | ug/L | 100% | | 85-115 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1252606 | Batch: | 369931 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531729-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1252606 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 99.44 | 6.044 | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Antimony | 104.7 | 1.567 | 100.0 | ug/L | 103% | | 70-130 | 1 |
| Arsenic | 101.0 | 2.588 | 100.0 | ug/L | 98% | | 70-130 | 1 |
| Barium | 124.2 | 31.14 | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Beryllium | 88.70 | ND | 100.0 | ug/L | 89% | | 70-130 | 25 |
| Cadmium | 87.02 | ND | 100.0 | ug/L | 87% | | 70-130 | 1 |
| Chromium | 95.59 | 3.330 | 100.0 | ug/L | 92% | | 70-130 | 1 |
| Cobalt | 97.64 | 0.8905 | 100.0 | ug/L | 97% | | 70-130 | 1 |
| Copper | 108.7 | 17.87 | 100.0 | ug/L | 91% | | 70-130 | 1 |
| Lead | 92.89 | 0.8922 | 100.0 | ug/L | 92% | | 70-130 | 1 |
| Nickel | 98.17 | 5.413 | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Selenium | 92.43 | ND | 100.0 | ug/L | 92% | | 70-130 | 1 |
| Silver | 48.77 | ND | 50.00 | ug/L | 98% | | 70-130 | 25 |
| Thallium | 91.23 | ND | 100.0 | ug/L | 91% | | 70-130 | 1 |
| Vanadium | 101.0 | 2.484 | 100.0 | ug/L | 99% | | 70-130 | 1 |
| Zinc | 1,635 | 1579 | 100.0 | ug/L | 56% | NM | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252607 | Batch: | 369931 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531729-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1252607 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 97.61 | 6.044 | 100.0 | ug/L | 92% | | 70-130 | 2 | 20 | 1 |
| Antimony | 106.2 | 1.567 | 100.0 | ug/L | 105% | | 70-130 | 1 | 20 | 1 |
| Arsenic | 97.99 | 2.588 | 100.0 | ug/L | 95% | | 70-130 | 3 | 20 | 1 |
| Barium | 125.4 | 31.14 | 100.0 | ug/L | 94% | | 70-130 | 1 | 20 | 1 |
| Beryllium | 91.83 | ND | 100.0 | ug/L | 92% | | 70-130 | 3 | 20 | 25 |
| Cadmium | 89.37 | ND | 100.0 | ug/L | 89% | | 70-130 | 3 | 20 | 1 |
| Chromium | 93.33 | 3.330 | 100.0 | ug/L | 90% | | 70-130 | 2 | 20 | 1 |
| Cobalt | 95.17 | 0.8905 | 100.0 | ug/L | 94% | | 70-130 | 3 | 20 | 1 |
| Copper | 107.1 | 17.87 | 100.0 | ug/L | 89% | | 70-130 | 1 | 20 | 1 |
| Lead | 90.88 | 0.8922 | 100.0 | ug/L | 90% | | 70-130 | 2 | 20 | 1 |
| Nickel | 95.40 | 5.413 | 100.0 | ug/L | 90% | | 70-130 | 3 | 20 | 1 |
| Selenium | 91.51 | ND | 100.0 | ug/L | 92% | | 70-130 | 1 | 20 | 1 |
| Silver | 49.37 | ND | 50.00 | ug/L | 99% | | 70-130 | 1 | 20 | 25 |
| Thallium | 89.05 | ND | 100.0 | ug/L | 89% | | 70-130 | 2 | 20 | 1 |
| Vanadium | 98.68 | 2.484 | 100.0 | ug/L | 96% | | 70-130 | 2 | 20 | 1 |
| Zinc | 1,619 | 1579 | 100.0 | ug/L | 40% | NM | 70-130 | 1 | 20 | 1 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1252608 | Batch: | 369931 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531776-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1252608 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Tin | 97.16 | ND | 100.0 | ug/L | 97% | | 70-130 | 1 |
| Antimony | 91.84 | 0.3121 | 100.0 | ug/L | 92% | | 70-130 | 1 |
| Arsenic | 94.24 | ND | 100.0 | ug/L | 94% | | 70-130 | 1 |
| Barium | 104.2 | ND | 100.0 | ug/L | 104% | | 70-130 | 25 |
| Beryllium | 96.54 | ND | 100.0 | ug/L | 97% | | 70-130 | 25 |
| Cadmium | 102.8 | ND | 100.0 | ug/L | 103% | | 70-130 | 25 |
| Chromium | 96.79 | ND | 100.0 | ug/L | 97% | | 70-130 | 1 |
| Cobalt | 103.3 | ND | 100.0 | ug/L | 103% | | 70-130 | 1 |
| Copper | 101.1 | ND | 100.0 | ug/L | 101% | | 70-130 | 1 |
| Lead | 94.05 | ND | 100.0 | ug/L | 94% | | 70-130 | 1 |
| Nickel | 101.5 | ND | 100.0 | ug/L | 101% | | 70-130 | 1 |
| Selenium | 88.80 | ND | 100.0 | ug/L | 89% | | 70-130 | 1 |
| Silver | 51.21 | ND | 50.00 | ug/L | 102% | | 70-130 | 25 |
| Thallium | 92.96 | ND | 100.0 | ug/L | 93% | | 70-130 | 1 |
| Vanadium | 97.00 | ND | 100.0 | ug/L | 97% | | 70-130 | 1 |
| Zinc | 100.7 | ND | 100.0 | ug/L | 101% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252609 | Batch: | 369931 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531776-001) | Method: | EPA 200.8 | Prep Method: | EPA 3015A |

| QC1252609 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Tin | 95.81 | ND | 100.0 | ug/L | 96% | | 70-130 | 1 | 20 | 1 |
| Antimony | 99.47 | 0.3121 | 100.0 | ug/L | 99% | | 70-130 | 8 | 20 | 1 |
| Arsenic | 91.34 | ND | 100.0 | ug/L | 91% | | 70-130 | 3 | 20 | 1 |
| Barium | 107.3 | ND | 100.0 | ug/L | 107% | | 70-130 | 3 | 20 | 25 |
| Beryllium | 97.62 | ND | 100.0 | ug/L | 98% | | 70-130 | 1 | 20 | 25 |
| Cadmium | 103.3 | ND | 100.0 | ug/L | 103% | | 70-130 | 0 | 20 | 25 |
| Chromium | 94.45 | ND | 100.0 | ug/L | 94% | | 70-130 | 2 | 20 | 1 |
| Cobalt | 99.92 | ND | 100.0 | ug/L | 100% | | 70-130 | 3 | 20 | 1 |
| Copper | 97.68 | ND | 100.0 | ug/L | 98% | | 70-130 | 3 | 20 | 1 |
| Lead | 92.04 | ND | 100.0 | ug/L | 92% | | 70-130 | 2 | 20 | 1 |
| Nickel | 97.33 | ND | 100.0 | ug/L | 97% | | 70-130 | 4 | 20 | 1 |
| Selenium | 87.95 | ND | 100.0 | ug/L | 88% | | 70-130 | 1 | 20 | 1 |
| Silver | 52.44 | ND | 50.00 | ug/L | 105% | | 70-130 | 2 | 20 | 25 |
| Thallium | 91.69 | ND | 100.0 | ug/L | 92% | | 70-130 | 1 | 20 | 1 |
| Vanadium | 94.52 | ND | 100.0 | ug/L | 95% | | 70-130 | 3 | 20 | 1 |
| Zinc | 95.75 | ND | 100.0 | ug/L | 96% | | 70-130 | 5 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1252399 | Batch: | 369869 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 245.1 | Prep Method: | EPA 245.1 |

| QC1252399 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | ug/L | 0.40 | 0.17 | 04/28/25 | 04/28/25 |

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# Batch QC

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1252400 | **Batch:** 369869 |
| **Matrix:** Water | **Method:** EPA 245.1 | **Prep Method:** EPA 245.1 |

| QC1252400 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Mercury | 5.020 | 5.000 | ug/L | 100% | | 85-115 |

| | | |
|---|---|---|
| **Type:** Matrix Spike | **Lab ID:** QC1252401 | **Batch:** 369869 |
| **Matrix (Source ID):** Water (531823-004) | **Method:** EPA 245.1 | **Prep Method:** EPA 245.1 |

| QC1252401 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Mercury | 1,006 | ND | 1000 | ug/L | 101% | | 75-125 | 200 |

| | | |
|---|---|---|
| **Type:** Matrix Spike Duplicate | **Lab ID:** QC1252402 | **Batch:** 369869 |
| **Matrix (Source ID):** Water (531823-004) | **Method:** EPA 245.1 | **Prep Method:** EPA 245.1 |

| QC1252402 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | 997.9 | ND | 1000 | ug/L | 100% | | 75-125 | 1 | 20 | 200 |

| | | |
|---|---|---|
| **Type:** Blank | **Lab ID:** QC1252445 | **Batch:** 369886 |
| **Matrix:** Water | **Method:** EPA 420.1 | **Prep Method:** METHOD |

| QC1252445 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Phenolics | ND | | mg/L | 0.010 | 0.0047 | 04/28/25 | 04/28/25 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample | **Lab ID:** QC1252543 | **Batch:** 369886 |
| **Matrix:** Water | **Method:** EPA 420.1 | **Prep Method:** METHOD |

| QC1252543 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Phenolics | 0.08100 | 0.08000 | mg/L | 101% | | 80-120 |

| | | |
|---|---|---|
| **Type:** Lab Control Sample Duplicate | **Lab ID:** QC1252544 | **Batch:** 369886 |
| **Matrix:** Water | **Method:** EPA 420.1 | **Prep Method:** METHOD |

| QC1252544 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Total Phenolics | 0.08500 | 0.08000 | mg/L | 106% | | 80-120 | 5 | 20 |

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# Batch QC

| Type: Blank | Lab ID: QC1252461 | Batch: 369893 |
|---|---|---|
| Matrix: Water | | |

| QC1252461 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Method: EPA 8081A<br>Prep Method: EPA 3510C | | | | | | | |
| alpha-BHC | ND | | ug/L | 0.05 | 0.02 | 04/28/25 | 04/28/25 |
| beta-BHC | ND | | ug/L | 0.05 | 0.02 | 04/28/25 | 04/28/25 |
| gamma-BHC | ND | | ug/L | 0.05 | 0.02 | 04/28/25 | 04/28/25 |
| delta-BHC | ND | | ug/L | 0.05 | 0.02 | 04/28/25 | 04/28/25 |
| Heptachlor | ND | | ug/L | 0.05 | 0.01 | 04/28/25 | 04/28/25 |
| Aldrin | ND | | ug/L | 0.05 | 0.02 | 04/28/25 | 04/28/25 |
| Heptachlor epoxide | ND | | ug/L | 0.05 | 0.02 | 04/28/25 | 04/28/25 |
| Endosulfan I | ND | | ug/L | 0.05 | 0.02 | 04/28/25 | 04/28/25 |
| Dieldrin | ND | | ug/L | 0.1 | 0.01 | 04/28/25 | 04/28/25 |
| 4,4'-DDE | ND | | ug/L | 0.1 | 0.02 | 04/28/25 | 04/28/25 |
| Endrin | ND | | ug/L | 0.1 | 0.02 | 04/28/25 | 04/28/25 |
| Endosulfan II | ND | | ug/L | 0.1 | 0.02 | 04/28/25 | 04/28/25 |
| Endosulfan sulfate | ND | | ug/L | 0.1 | 0.02 | 04/28/25 | 04/28/25 |
| 4,4'-DDD | ND | | ug/L | 0.1 | 0.02 | 04/28/25 | 04/28/25 |
| Endrin aldehyde | ND | | ug/L | 0.1 | 0.03 | 04/28/25 | 04/28/25 |
| Endrin ketone | ND | | ug/L | 0.1 | 0.03 | 04/28/25 | 04/28/25 |
| 4,4'-DDT | ND | | ug/L | 0.1 | 0.04 | 04/28/25 | 04/28/25 |
| Methoxychlor | ND | | ug/L | 0.1 | 0.06 | 04/28/25 | 04/28/25 |
| Toxaphene | ND | | ug/L | 2.0 | 0.8 | 04/28/25 | 04/28/25 |
| Chlordane (Technical) | ND | | ug/L | 1.0 | 0.3 | 04/28/25 | 04/28/25 |
| **Surrogates** | | | | **Limits** | | | |
| TCMX | 71% | | %REC | 14-120 | | 04/28/25 | 04/28/25 |
| Decachlorobiphenyl | 85% | | %REC | 20-120 | | 04/28/25 | 04/28/25 |
| Method: EPA 8082<br>Prep Method: EPA 3510C | | | | | | | |
| Aroclor-1016 | ND | | ug/L | 0.50 | 0.37 | 04/28/25 | 04/28/25 |
| Aroclor-1221 | ND | | ug/L | 0.50 | 0.41 | 04/28/25 | 04/28/25 |
| Aroclor-1232 | ND | | ug/L | 0.50 | 0.36 | 04/28/25 | 04/28/25 |
| Aroclor-1242 | ND | | ug/L | 0.50 | 0.35 | 04/28/25 | 04/28/25 |
| Aroclor-1248 | ND | | ug/L | 0.50 | 0.34 | 04/28/25 | 04/28/25 |
| Aroclor-1254 | ND | | ug/L | 0.50 | 0.18 | 04/28/25 | 04/28/25 |
| Aroclor-1260 | ND | | ug/L | 0.50 | 0.45 | 04/28/25 | 04/28/25 |
| Aroclor-1262 | ND | | ug/L | 0.50 | 0.39 | 04/28/25 | 04/28/25 |
| Aroclor-1268 | ND | | ug/L | 0.50 | 0.25 | 04/28/25 | 04/28/25 |
| **Surrogates** | | | | **Limits** | | | |
| Decachlorobiphenyl (PCB) | 93% | | %REC | 18-126 | | 04/28/25 | 04/28/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1252462** | **Batch:** | **369893** |
| **Matrix:** | **Water** | **Method:** | **EPA 8081A** | **Prep Method:** | **EPA 3510C** |

| QC1252462 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| alpha-BHC | 0.4219 | 0.5000 | ug/L | 84% | | 53-120 |
| beta-BHC | 0.4303 | 0.5000 | ug/L | 86% | | 59-120 |
| gamma-BHC | 0.4536 | 0.5000 | ug/L | 91% | | 54-120 |
| delta-BHC | 0.4432 | 0.5000 | ug/L | 89% | | 58-120 |
| Heptachlor | 0.4277 | 0.5000 | ug/L | 86% | | 49-120 |
| Aldrin | 0.3629 | 0.5000 | ug/L | 73% | | 47-120 |
| Heptachlor epoxide | 0.4066 | 0.5000 | ug/L | 81% | | 53-120 |
| Endosulfan I | 0.4030 | 0.5000 | ug/L | 81% | | 56-120 |
| Dieldrin | 0.4101 | 0.5000 | ug/L | 82% | | 55-120 |
| 4,4'-DDE | 0.4126 | 0.5000 | ug/L | 83% | | 55-120 |
| Endrin | 0.4561 | 0.5000 | ug/L | 91% | # | 57-120 |
| Endosulfan II | 0.4273 | 0.5000 | ug/L | 85% | | 58-120 |
| Endosulfan sulfate | 0.4137 | 0.5000 | ug/L | 83% | | 56-120 |
| 4,4'-DDD | 0.3930 | 0.5000 | ug/L | 79% | | 53-120 |
| Endrin aldehyde | 0.3767 | 0.5000 | ug/L | 75% | | 45-120 |
| Endrin ketone | 0.4520 | 0.5000 | ug/L | 90% | | 61-120 |
| 4,4'-DDT | 0.4504 | 0.5000 | ug/L | 90% | | 58-120 |
| Methoxychlor | 0.4665 | 0.5000 | ug/L | 93% | | 54-120 |
| **Surrogates** | | | | | | |
| TCMX | 0.3886 | 0.5000 | ug/L | 78% | | 14-120 |
| Decachlorobiphenyl | 0.4122 | 0.5000 | ug/L | 82% | | 20-120 |

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# Batch QC

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1252463 | Batch: | 369893 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8081A | Prep Method: | EPA 3510C |

| QC1252463 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| alpha-BHC | 0.4289 | 0.5000 | ug/L | 86% | | 53-120 | 2 | 20 |
| beta-BHC | 0.4402 | 0.5000 | ug/L | 88% | | 59-120 | 2 | 20 |
| gamma-BHC | 0.4615 | 0.5000 | ug/L | 92% | | 54-120 | 2 | 20 |
| delta-BHC | 0.4600 | 0.5000 | ug/L | 92% | | 58-120 | 4 | 20 |
| Heptachlor | 0.4274 | 0.5000 | ug/L | 85% | | 49-120 | 0 | 20 |
| Aldrin | 0.3741 | 0.5000 | ug/L | 75% | | 47-120 | 3 | 20 |
| Heptachlor epoxide | 0.4195 | 0.5000 | ug/L | 84% | | 53-120 | 3 | 20 |
| Endosulfan I | 0.4296 | 0.5000 | ug/L | 86% | | 56-120 | 6 | 20 |
| Dieldrin | 0.4308 | 0.5000 | ug/L | 86% | | 55-120 | 5 | 20 |
| 4,4'-DDE | 0.4293 | 0.5000 | ug/L | 86% | | 55-120 | 4 | 20 |
| Endrin | 0.4741 | 0.5000 | ug/L | 95% | # | 57-120 | 4 | 20 |
| Endosulfan II | 0.4454 | 0.5000 | ug/L | 89% | | 58-120 | 4 | 20 |
| Endosulfan sulfate | 0.4336 | 0.5000 | ug/L | 87% | | 56-120 | 5 | 20 |
| 4,4'-DDD | 0.4150 | 0.5000 | ug/L | 83% | | 53-120 | 5 | 20 |
| Endrin aldehyde | 0.4053 | 0.5000 | ug/L | 81% | | 45-120 | 7 | 20 |
| Endrin ketone | 0.4753 | 0.5000 | ug/L | 95% | | 61-120 | 5 | 20 |
| 4,4'-DDT | 0.4729 | 0.5000 | ug/L | 95% | | 58-120 | 5 | 20 |
| Methoxychlor | 0.4867 | 0.5000 | ug/L | 97% | | 54-120 | 4 | 20 |
| **Surrogates** | | | | | | | | |
| TCMX | 0.3974 | 0.5000 | ug/L | 79% | | 14-120 | | |
| Decachlorobiphenyl | 0.4364 | 0.5000 | ug/L | 87% | | 20-120 | | |

| Type: | Lab Control Sample | Lab ID: | QC1252464 | Batch: | 369893 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1252464 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Aroclor-1016 | 6.095 | 5.000 | ug/L | 122% | | 36-143 |
| Aroclor-1260 | 6.129 | 5.000 | ug/L | 123% | | 31-153 |
| **Surrogates** | | | | | | |
| Decachlorobiphenyl (PCB) | 0.5363 | 0.5000 | ug/L | 107% | | 18-126 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1252465 | Batch: | 369893 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8082 | Prep Method: | EPA 3510C |

| QC1252465 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 5.466 | 5.000 | ug/L | 109% | | 36-143 | 11 | 39 |
| Aroclor-1260 | 5.629 | 5.000 | ug/L | 113% | | 31-153 | 9 | 20 |
| **Surrogates** | | | | | | | | |
| Decachlorobiphenyl (PCB) | 0.4994 | 0.5000 | ug/L | 100% | | 18-126 | | |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1252307 | Batch: 369844 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1252307 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 44.51 | 50.00 | ug/L | 89% | | 70-135 |
| MTBE | 48.79 | 50.00 | ug/L | 98% | | 70-130 |
| Benzene | 46.96 | 50.00 | ug/L | 94% | | 70-130 |
| Trichloroethene | 45.79 | 50.00 | ug/L | 92% | | 70-130 |
| Toluene | 47.62 | 50.00 | ug/L | 95% | | 70-130 |
| Chlorobenzene | 47.45 | 50.00 | ug/L | 95% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 50.55 | 50.00 | ug/L | 101% | | 70-130 |
| 1,2-Dichloroethane-d4 | 52.75 | 50.00 | ug/L | 105% | | 70-130 |
| Toluene-d8 | 50.89 | 50.00 | ug/L | 102% | | 70-130 |
| Bromofluorobenzene | 48.11 | 50.00 | ug/L | 96% | | 70-130 |

| Type: Lab Control Sample Duplicate | Lab ID: QC1252308 | Batch: 369844 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1252308 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 44.49 | 50.00 | ug/L | 89% | | 70-135 | 0 | 30 |
| MTBE | 48.11 | 50.00 | ug/L | 96% | | 70-130 | 1 | 30 |
| Benzene | 47.08 | 50.00 | ug/L | 94% | | 70-130 | 0 | 30 |
| Trichloroethene | 45.81 | 50.00 | ug/L | 92% | | 70-130 | 0 | 30 |
| Toluene | 46.76 | 50.00 | ug/L | 94% | | 70-130 | 2 | 30 |
| Chlorobenzene | 47.47 | 50.00 | ug/L | 95% | | 70-130 | 0 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 49.65 | 50.00 | ug/L | 99% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 52.61 | 50.00 | ug/L | 105% | | 70-130 | | |
| Toluene-d8 | 50.11 | 50.00 | ug/L | 100% | | 70-130 | | |
| Bromofluorobenzene | 47.88 | 50.00 | ug/L | 96% | | 70-130 | | |

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# Batch QC

| Type: Blank | Lab ID: QC1252312 | Batch: 369844 |
|---|---|---|
| Matrix: Water | Method: EPA 8260B | Prep Method: EPA 5030B |

| QC1252312 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbon Disulfide | ND | | ug/L | 5.0 | 0.7 | 04/27/25 | 04/27/25 |
| Chloroprene | ND | | ug/L | 200 | 0.6 | 04/27/25 | 04/27/25 |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.3 | 04/27/25 | 04/27/25 |
| Ethyl methacrylate | ND | | ug/L | 50 | 1.3 | 04/27/25 | 04/27/25 |
| Ethanol | ND | | ug/L | 500 | 250 | 04/27/25 | 04/27/25 |
| 2-Hexanone | ND | | ug/L | 5.0 | 0.8 | 04/27/25 | 04/27/25 |
| Isopropanol (IPA) | ND | | ug/L | 200 | 64 | 04/27/25 | 04/27/25 |
| Methyl acrylonitrile | ND | | ug/L | 35 | 2.2 | 04/27/25 | 04/27/25 |
| Vinyl Acetate | ND | | ug/L | 50 | 2.5 | 04/27/25 | 04/27/25 |
| Acrolein | ND | | ug/L | 200 | 2.2 | 04/27/25 | 04/27/25 |
| Acrylonitrile | ND | | ug/L | 10 | 0.7 | 04/27/25 | 04/27/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 04/27/25 | 04/27/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 04/27/25 | 04/27/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.3 | 04/27/25 | 04/27/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Iodomethane | ND | | ug/L | 5.8 | | 04/27/25 | 04/27/25 |
| Acetone | ND | | ug/L | 100 | 44 | 04/27/25 | 04/27/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| Methylene Chloride | ND | | ug/L | 10 | 3.5 | 04/27/25 | 04/27/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.08 | 04/27/25 | 04/27/25 |
| 2-Butanone | ND | | ug/L | 10 | 2.3 | 04/27/25 | 04/27/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| Benzene | ND | | ug/L | 1.0 | 0.1 | 04/27/25 | 04/27/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 10 | 0.9 | 04/27/25 | 04/27/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Toluene | ND | | ug/L | 5.0 | 0.3 | 04/27/25 | 04/27/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |

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## Batch QC

| QC1252312 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.07 | 04/27/25 | 04/27/25 |
| m,p-Xylenes | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.09 | 04/27/25 | 04/27/25 |
| Styrene | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 04/27/25 | 04/27/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Propylbenzene | ND | | ug/L | 5.0 | 0.09 | 04/27/25 | 04/27/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.09 | 04/27/25 | 04/27/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.08 | 04/27/25 | 04/27/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 04/27/25 | 04/27/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.09 | 04/27/25 | 04/27/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 04/27/25 | 04/27/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 1.0 | 04/27/25 | 04/27/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 04/27/25 | 04/27/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.09 | 04/27/25 | 04/27/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.5 | 04/27/25 | 04/27/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.3 | 04/27/25 | 04/27/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.7 | 04/27/25 | 04/27/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.8 | 04/27/25 | 04/27/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 04/27/25 | 04/27/25 |
| TIC: | ND | | | | | 04/27/25 | 04/27/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 103% | | %REC | 70-130 | | 04/27/25 | 04/27/25 |
| 1,2-Dichloroethane-d4 | 105% | | %REC | 70-130 | | 04/27/25 | 04/27/25 |
| Toluene-d8 | 97% | | %REC | 70-130 | | 04/27/25 | 04/27/25 |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 04/27/25 | 04/27/25 |

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# Batch QC

| Type: | Matrix Spike | Lab ID: | QC1252320 | Batch: | 369844 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531786-008) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252320 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 17.50 | 0.2057 | 20.00 | ug/L | 86% | | 70-130 | 1 |
| MTBE | 17.41 | ND | 20.00 | ug/L | 87% | | 75-130 | 1 |
| Benzene | 17.91 | ND | 20.00 | ug/L | 90% | | 70-130 | 1 |
| Trichloroethene | 49.81 | 33.46 | 20.00 | ug/L | 82% | | 63-130 | 1 |
| Toluene | 18.42 | ND | 20.00 | ug/L | 92% | | 70-130 | 1 |
| Chlorobenzene | 18.13 | ND | 20.00 | ug/L | 91% | | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 51.13 | | 50.00 | ug/L | 102% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 50.83 | | 50.00 | ug/L | 102% | | 70-130 | 1 |
| Toluene-d8 | 52.31 | | 50.00 | ug/L | 105% | | 70-130 | 1 |
| Bromofluorobenzene | 47.34 | | 50.00 | ug/L | 95% | | 70-130 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252321 | Batch: | 369844 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531786-008) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1252321 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 16.74 | 0.2057 | 20.00 | ug/L | 83% | | 70-130 | 4 | 30 | 1 |
| MTBE | 17.52 | ND | 20.00 | ug/L | 88% | | 75-130 | 1 | 30 | 1 |
| Benzene | 18.52 | ND | 20.00 | ug/L | 93% | | 70-130 | 3 | 30 | 1 |
| Trichloroethene | 53.33 | 33.46 | 20.00 | ug/L | 99% | | 63-130 | 7 | 30 | 1 |
| Toluene | 18.85 | ND | 20.00 | ug/L | 94% | | 70-130 | 2 | 30 | 1 |
| Chlorobenzene | 18.79 | ND | 20.00 | ug/L | 94% | | 70-130 | 4 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 49.08 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 48.15 | | 50.00 | ug/L | 96% | | 70-130 | | | 1 |
| Toluene-d8 | 50.99 | | 50.00 | ug/L | 102% | | 70-130 | | | 1 |
| Bromofluorobenzene | 48.80 | | 50.00 | ug/L | 98% | | 70-130 | | | 1 |

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# Batch QC

| Type: Blank | Lab ID: QC1252267 | Batch: 369835 |
|---|---|---|
| Matrix: Water | Method: EPA 8270C | Prep Method: EPA 3510C |

| QC1252267 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbazole | ND | | ug/L | 10 | 1.9 | 04/27/25 | 04/27/25 |
| Pyridine | ND | | ug/L | 10 | 1.7 | 04/27/25 | 04/27/25 |
| N-Nitrosodimethylamine | ND | | ug/L | 10 | 2.8 | 04/27/25 | 04/27/25 |
| Phenol | ND | | ug/L | 10 | 1.7 | 04/27/25 | 04/27/25 |
| Aniline | ND | | ug/L | 10 | 3.2 | 04/27/25 | 04/27/25 |
| bis(2-Chloroethyl)ether | ND | | ug/L | 25 | 3.9 | 04/27/25 | 04/27/25 |
| 2-Chlorophenol | ND | | ug/L | 10 | 3.8 | 04/27/25 | 04/27/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 10 | 4.0 | 04/27/25 | 04/27/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 10 | 4.2 | 04/27/25 | 04/27/25 |
| Benzyl alcohol | ND | | ug/L | 25 | 5.2 | 04/27/25 | 04/27/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 10 | 3.9 | 04/27/25 | 04/27/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 3.3 | 04/27/25 | 04/27/25 |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 10 | 4.3 | 04/27/25 | 04/27/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 3.1 | 04/27/25 | 04/27/25 |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 10 | 4.2 | 04/27/25 | 04/27/25 |
| Hexachloroethane | ND | | ug/L | 10 | 3.7 | 04/27/25 | 04/27/25 |
| Nitrobenzene | ND | | ug/L | 25 | 8.4 | 04/27/25 | 04/27/25 |
| Isophorone | ND | | ug/L | 10 | 4.2 | 04/27/25 | 04/27/25 |
| 2-Nitrophenol | ND | | ug/L | 10 | 4.6 | 04/27/25 | 04/27/25 |
| 2,4-Dimethylphenol | ND | | ug/L | 10 | 3.7 | 04/27/25 | 04/27/25 |
| Benzoic acid | ND | | ug/L | 50 | 7.6 | 04/27/25 | 04/27/25 |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 10 | 3.9 | 04/27/25 | 04/27/25 |
| 2,4-Dichlorophenol | ND | | ug/L | 10 | 4.4 | 04/27/25 | 04/27/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 10 | 4.1 | 04/27/25 | 04/27/25 |
| Naphthalene | ND | | ug/L | 10 | 3.8 | 04/27/25 | 04/27/25 |
| 4-Chloroaniline | ND | | ug/L | 10 | 3.6 | 04/27/25 | 04/27/25 |
| Hexachlorobutadiene | ND | | ug/L | 10 | 3.3 | 04/27/25 | 04/27/25 |
| 4-Chloro-3-methylphenol | ND | | ug/L | 10 | 3.9 | 04/27/25 | 04/27/25 |
| 2-Methylnaphthalene | ND | | ug/L | 10 | 3.6 | 04/27/25 | 04/27/25 |
| Hexachlorocyclopentadiene | ND | | ug/L | 25 | 10 | 04/27/25 | 04/27/25 |
| 2,4,6-Trichlorophenol | ND | | ug/L | 10 | 4.4 | 04/27/25 | 04/27/25 |
| 2,4,5-Trichlorophenol | ND | | ug/L | 10 | 4.0 | 04/27/25 | 04/27/25 |
| 2-Chloronaphthalene | ND | | ug/L | 10 | 3.9 | 04/27/25 | 04/27/25 |
| 2-Nitroaniline | ND | | ug/L | 50 | 3.4 | 04/27/25 | 04/27/25 |
| Dimethylphthalate | ND | | ug/L | 10 | 4.0 | 04/27/25 | 04/27/25 |
| Acenaphthylene | ND | | ug/L | 10 | 4.7 | 04/27/25 | 04/27/25 |
| 2,6-Dinitrotoluene | ND | | ug/L | 10 | 3.9 | 04/27/25 | 04/27/25 |
| 3-Nitroaniline | ND | | ug/L | 10 | 3.6 | 04/27/25 | 04/27/25 |
| Acenaphthene | ND | | ug/L | 10 | 3.6 | 04/27/25 | 04/27/25 |
| 2,4-Dinitrophenol | ND | | ug/L | 50 | 7.7 | 04/27/25 | 04/27/25 |
| 4-Nitrophenol | ND | | ug/L | 50 | 5.6 | 04/27/25 | 04/27/25 |
| Dibenzofuran | ND | | ug/L | 10 | 3.6 | 04/27/25 | 04/27/25 |
| 2,4-Dinitrotoluene | ND | | ug/L | 10 | 3.3 | 04/27/25 | 04/27/25 |
| Diethylphthalate | ND | | ug/L | 10 | 3.1 | 04/27/25 | 04/27/25 |
| Fluorene | ND | | ug/L | 10 | 3.4 | 04/27/25 | 04/27/25 |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 10 | 3.7 | 04/27/25 | 04/27/25 |
| 4-Nitroaniline | ND | | ug/L | 10 | 3.2 | 04/27/25 | 04/27/25 |

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## Batch QC

| QC1252267 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 50 | 13 | 04/27/25 | 04/27/25 |
| N-Nitrosodiphenylamine | ND | | ug/L | 10 | 5.8 | 04/27/25 | 04/27/25 |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 10 | 3.8 | 04/27/25 | 04/27/25 |
| 4-Bromophenyl-phenylether | ND | | ug/L | 10 | 4.0 | 04/27/25 | 04/27/25 |
| Hexachlorobenzene | ND | | ug/L | 10 | 3.6 | 04/27/25 | 04/27/25 |
| Pentachlorophenol | ND | | ug/L | 25 | 3.2 | 04/27/25 | 04/27/25 |
| Phenanthrene | ND | | ug/L | 10 | 2.7 | 04/27/25 | 04/27/25 |
| Anthracene | ND | | ug/L | 10 | 2.6 | 04/27/25 | 04/27/25 |
| Di-n-butylphthalate | ND | | ug/L | 10 | 1.7 | 04/27/25 | 04/27/25 |
| Fluoranthene | ND | | ug/L | 10 | 1.6 | 04/27/25 | 04/27/25 |
| Benzidine | ND | | ug/L | 50 | 14 | 04/27/25 | 04/27/25 |
| Pyrene | ND | | ug/L | 10 | 1.9 | 04/27/25 | 04/27/25 |
| Butylbenzylphthalate | ND | | ug/L | 10 | 2.2 | 04/27/25 | 04/27/25 |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 25 | 3.5 | 04/27/25 | 04/27/25 |
| Benzo(a)anthracene | ND | | ug/L | 10 | 0.99 | 04/27/25 | 04/27/25 |
| Chrysene | ND | | ug/L | 10 | 1.2 | 04/27/25 | 04/27/25 |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 10 | 3.3 | 04/27/25 | 04/27/25 |
| Di-n-octylphthalate | ND | | ug/L | 10 | 1.3 | 04/27/25 | 04/27/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 10 | 1.2 | 04/27/25 | 04/27/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 10 | 1.4 | 04/27/25 | 04/27/25 |
| Benzo(a)pyrene | ND | | ug/L | 10 | 1.4 | 04/27/25 | 04/27/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 10 | 1.2 | 04/27/25 | 04/27/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 10 | 1.5 | 04/27/25 | 04/27/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 10 | 1.5 | 04/27/25 | 04/27/25 |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:Acetonitrile | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:Acetophenone | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:Chlorobenzilate | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:Diallate | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:Thionazin | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 04/27/25 | 04/27/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 47% | | %REC | 20-140 | | 04/27/25 | 04/27/25 |
| Phenol-d6 | 36% | | %REC | 20-140 | | 04/27/25 | 04/27/25 |
| 2,4,6-Tribromophenol | 65% | | %REC | 20-140 | | 04/27/25 | 04/27/25 |
| Nitrobenzene-d5 | 74% | | %REC | 20-140 | | 04/27/25 | 04/27/25 |
| 2-Fluorobiphenyl | 69% | | %REC | 20-140 | | 04/27/25 | 04/27/25 |
| Terphenyl-d14 | 93% | | %REC | 20-140 | | 04/27/25 | 04/27/25 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1252268** | **Batch:** | **369835** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1252268 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 26.27 | 75.00 | ug/L | 35% | b | 13-120 |
| 2-Chlorophenol | 53.04 | 75.00 | ug/L | 71% | | 31-120 |
| 1,4-Dichlorobenzene | 45.51 | 75.00 | ug/L | 61% | | 24-120 |
| 3-,4-Methylphenol | 56.40 | 75.00 | ug/L | 75% | | 29-120 |
| N-Nitroso-di-n-propylamine | 73.33 | 75.00 | ug/L | 98% | b | 32-120 |
| 2,4-Dimethylphenol | 67.15 | 75.00 | ug/L | 90% | | 25-120 |
| 1,2,4-Trichlorobenzene | 52.46 | 75.00 | ug/L | 70% | | 26-120 |
| 4-Chloro-3-methylphenol | 77.06 | 75.00 | ug/L | 103% | b | 39-120 |
| 2,4,5-Trichlorophenol | 68.32 | 75.00 | ug/L | 91% | | 38-120 |
| Acenaphthene | 51.32 | 75.00 | ug/L | 68% | | 33-120 |
| 4-Nitrophenol | 40.57 | 75.00 | ug/L | 54% | | 12-120 |
| 2,4-Dinitrotoluene | 82.98 | 75.00 | ug/L | 111% | | 46-120 |
| Pentachlorophenol | 70.79 | 75.00 | ug/L | 94% | | 37-120 |
| Pyrene | 80.06 | 75.00 | ug/L | 107% | | 47-120 |
| Chrysene | 69.08 | 75.00 | ug/L | 92% | | 48-120 |
| Benzo(b)fluoranthene | 63.10 | 75.00 | ug/L | 84% | | 46-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 18.98 | 40.00 | ug/L | 47% | | 20-140 |
| Phenol-d6 | 13.39 | 40.00 | ug/L | 33% | | 20-140 |
| 2,4,6-Tribromophenol | 40.79 | 40.00 | ug/L | 102% | | 20-140 |
| Nitrobenzene-d5 | 37.11 | 40.00 | ug/L | 93% | | 20-140 |
| 2-Fluorobiphenyl | 30.48 | 40.00 | ug/L | 76% | | 20-140 |
| Terphenyl-d14 | 45.41 | 40.00 | ug/L | 114% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1252269** | **Batch:** | **369835** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1252269 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 28.79 | 75.00 | ug/L | 38% | b | 13-120 | 9 | 62 |
| 2-Chlorophenol | 62.19 | 75.00 | ug/L | 83% | | 31-120 | 16 | 62 |
| 1,4-Dichlorobenzene | 57.24 | 75.00 | ug/L | 76% | | 24-120 | 23 | 64 |
| 3-,4-Methylphenol | 55.85 | 75.00 | ug/L | 74% | | 29-120 | 1 | 62 |
| N-Nitroso-di-n-propylamine | 67.96 | 75.00 | ug/L | 91% | b | 32-120 | 8 | 65 |
| 2,4-Dimethylphenol | 64.31 | 75.00 | ug/L | 86% | | 25-120 | 4 | 64 |
| 1,2,4-Trichlorobenzene | 56.88 | 75.00 | ug/L | 76% | | 26-120 | 8 | 63 |
| 4-Chloro-3-methylphenol | 76.34 | 75.00 | ug/L | 102% | b | 39-120 | 1 | 58 |
| 2,4,5-Trichlorophenol | 68.25 | 75.00 | ug/L | 91% | | 38-120 | 0 | 59 |
| Acenaphthene | 61.29 | 75.00 | ug/L | 82% | | 33-120 | 18 | 52 |
| 4-Nitrophenol | 36.72 | 75.00 | ug/L | 49% | | 12-120 | 10 | 63 |
| 2,4-Dinitrotoluene | 75.96 | 75.00 | ug/L | 101% | | 46-120 | 9 | 41 |
| Pentachlorophenol | 58.19 | 75.00 | ug/L | 78% | | 37-120 | 20 | 42 |
| Pyrene | 72.61 | 75.00 | ug/L | 97% | | 47-120 | 10 | 43 |
| Chrysene | 72.13 | 75.00 | ug/L | 96% | | 48-120 | 4 | 46 |
| Benzo(b)fluoranthene | 76.52 | 75.00 | ug/L | 102% | | 46-120 | 19 | 47 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 23.57 | 40.00 | ug/L | 59% | | 20-140 | | |
| Phenol-d6 | 15.09 | 40.00 | ug/L | 38% | | 20-140 | | |
| 2,4,6-Tribromophenol | 38.89 | 40.00 | ug/L | 97% | | 20-140 | | |
| Nitrobenzene-d5 | 37.48 | 40.00 | ug/L | 94% | | 20-140 | | |
| 2-Fluorobiphenyl | 33.20 | 40.00 | ug/L | 83% | | 20-140 | | |
| Terphenyl-d14 | 40.53 | 40.00 | ug/L | 101% | | 20-140 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1252271** | **Batch:** | **369835** |
| **Matrix:** | **TCLP Leachate** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1252271 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 99.98 | 150.0 | ug/L | 67% | b | 13-120 |
| 2-Chlorophenol | 132.9 | 150.0 | ug/L | 89% | | 31-120 |
| 1,4-Dichlorobenzene | 101.1 | 150.0 | ug/L | 67% | | 24-120 |
| 3-,4-Methylphenol | 151.5 | 150.0 | ug/L | 101% | | 29-120 |
| N-Nitroso-di-n-propylamine | 166.2 | 150.0 | ug/L | 111% | b | 32-120 |
| 2,4-Dimethylphenol | 152.5 | 150.0 | ug/L | 102% | | 25-120 |
| 1,2,4-Trichlorobenzene | 117.0 | 150.0 | ug/L | 78% | | 26-120 |
| 4-Chloro-3-methylphenol | 170.2 | 150.0 | ug/L | 113% | b | 39-120 |
| 2,4,5-Trichlorophenol | 146.9 | 150.0 | ug/L | 98% | | 38-120 |
| Acenaphthene | 124.7 | 150.0 | ug/L | 83% | | 33-120 |
| 4-Nitrophenol | 104.2 | 150.0 | ug/L | 69% | | 12-120 |
| 2,4-Dinitrotoluene | 145.8 | 150.0 | ug/L | 97% | | 46-120 |
| Pentachlorophenol | 112.8 | 150.0 | ug/L | 75% | | 37-120 |
| Pyrene | 117.9 | 150.0 | ug/L | 79% | | 47-120 |
| Chrysene | 135.3 | 150.0 | ug/L | 90% | | 48-120 |
| Benzo(b)fluoranthene | 133.8 | 150.0 | ug/L | 89% | | 46-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 63.45 | 80.00 | ug/L | 79% | | 20-140 |
| Phenol-d6 | 54.68 | 80.00 | ug/L | 68% | | 20-140 |
| 2,4,6-Tribromophenol | 75.14 | 80.00 | ug/L | 94% | | 20-140 |
| Nitrobenzene-d5 | 84.24 | 80.00 | ug/L | 105% | | 20-140 |
| 2-Fluorobiphenyl | 68.04 | 80.00 | ug/L | 85% | | 20-140 |
| Terphenyl-d14 | 64.37 | 80.00 | ug/L | 80% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Spike** | **Lab ID:** | **QC1252272** | **Batch:** | **369835** |
| **Matrix (Source ID):** | **TCLP Leachate (531810-001)** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1252272 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Phenol | 5,210 | 5852 | 150.0 | ug/L | -428% | E,b,NM | 10-130 | 20 |
| 2-Chlorophenol | 153.3 | ND | 150.0 | ug/L | 102% | | 21-130 | 20 |
| 1,4-Dichlorobenzene | 114.8 | ND | 150.0 | ug/L | 77% | | 14-130 | 20 |
| 3-,4-Methylphenol | 1,077 | 1177 | 150.0 | ug/L | -67% | NM | 19-130 | 20 |
| N-Nitroso-di-n-propylamine | 172.9 | 227.3 | 150.0 | ug/L | -36% | b,* | 22-130 | 20 |
| 2,4-Dimethylphenol | 153.3 | 80.37 | 150.0 | ug/L | 49% | | 15-130 | 20 |
| 1,2,4-Trichlorobenzene | 120.9 | ND | 150.0 | ug/L | 81% | | 16-130 | 20 |
| 4-Chloro-3-methylphenol | 159.9 | ND | 150.0 | ug/L | 107% | b | 29-130 | 20 |
| 2,4,5-Trichlorophenol | 120.2 | ND | 150.0 | ug/L | 80% | | 28-130 | 20 |
| Acenaphthene | 136.8 | ND | 150.0 | ug/L | 91% | | 23-130 | 20 |
| 4-Nitrophenol | 138.3 | ND | 150.0 | ug/L | 92% | | 10-130 | 20 |
| 2,4-Dinitrotoluene | 125.1 | ND | 150.0 | ug/L | 83% | | 36-130 | 20 |
| Pentachlorophenol | 239.9 | ND | 150.0 | ug/L | | DO | 27-130 | 20 |
| Pyrene | 130.2 | ND | 150.0 | ug/L | 87% | | 37-130 | 20 |
| Chrysene | 146.1 | ND | 150.0 | ug/L | 97% | | 38-130 | 20 |
| Benzo(b)fluoranthene | 144.0 | ND | 150.0 | ug/L | 96% | | 36-130 | 20 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 70.91 | | 80.00 | ug/L | 89% | | 10-140 | 20 |
| Phenol-d6 | 58.41 | | 80.00 | ug/L | 73% | | 10-140 | 20 |
| 2,4,6-Tribromophenol | 76.24 | | 80.00 | ug/L | 95% | | 12-140 | 20 |
| Nitrobenzene-d5 | 97.48 | | 80.00 | ug/L | 122% | | 10-140 | 20 |
| 2-Fluorobiphenyl | 66.83 | | 80.00 | ug/L | 84% | | 11-140 | 20 |
| Terphenyl-d14 | 73.58 | | 80.00 | ug/L | 92% | | 20-140 | 20 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1253912 | Batch: 370314 |
|---|---|---|
| Matrix: Water | Method: EPA 8270C | Prep Method: EPA 3510C |

| QC1253912 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Carbazole | ND | | ug/L | 10 | 1.9 | 05/02/25 | 05/02/25 |
| Pyridine | ND | | ug/L | 10 | 1.7 | 05/02/25 | 05/02/25 |
| N-Nitrosodimethylamine | ND | | ug/L | 10 | 2.8 | 05/02/25 | 05/02/25 |
| Phenol | ND | | ug/L | 10 | 1.7 | 05/02/25 | 05/02/25 |
| Aniline | ND | | ug/L | 10 | 3.2 | 05/02/25 | 05/02/25 |
| bis(2-Chloroethyl)ether | ND | | ug/L | 25 | 3.9 | 05/02/25 | 05/02/25 |
| 2-Chlorophenol | ND | | ug/L | 10 | 3.8 | 05/02/25 | 05/02/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 10 | 4.0 | 05/02/25 | 05/02/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 10 | 4.2 | 05/02/25 | 05/02/25 |
| Benzyl alcohol | ND | | ug/L | 25 | 5.2 | 05/02/25 | 05/02/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 10 | 3.9 | 05/02/25 | 05/02/25 |
| 2-Methylphenol | ND | | ug/L | 10 | 3.3 | 05/02/25 | 05/02/25 |
| bis(2-Chloroisopropyl) ether | ND | | ug/L | 10 | 4.3 | 05/02/25 | 05/02/25 |
| 3-,4-Methylphenol | ND | | ug/L | 10 | 3.1 | 05/02/25 | 05/02/25 |
| N-Nitroso-di-n-propylamine | ND | | ug/L | 10 | 4.2 | 05/02/25 | 05/02/25 |
| Hexachloroethane | ND | | ug/L | 10 | 3.7 | 05/02/25 | 05/02/25 |
| Nitrobenzene | ND | | ug/L | 25 | 8.4 | 05/02/25 | 05/02/25 |
| Isophorone | ND | | ug/L | 10 | 4.2 | 05/02/25 | 05/02/25 |
| 2-Nitrophenol | ND | | ug/L | 10 | 4.6 | 05/02/25 | 05/02/25 |
| 2,4-Dimethylphenol | ND | | ug/L | 10 | 3.7 | 05/02/25 | 05/02/25 |
| Benzoic acid | ND | | ug/L | 50 | 7.6 | 05/02/25 | 05/02/25 |
| bis(2-Chloroethoxy)methane | ND | | ug/L | 10 | 3.9 | 05/02/25 | 05/02/25 |
| 2,4-Dichlorophenol | ND | | ug/L | 10 | 4.4 | 05/02/25 | 05/02/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 10 | 4.1 | 05/02/25 | 05/02/25 |
| Naphthalene | ND | | ug/L | 10 | 3.8 | 05/02/25 | 05/02/25 |
| 4-Chloroaniline | ND | | ug/L | 10 | 3.6 | 05/02/25 | 05/02/25 |
| Hexachlorobutadiene | ND | | ug/L | 10 | 3.3 | 05/02/25 | 05/02/25 |
| 4-Chloro-3-methylphenol | ND | | ug/L | 10 | 3.9 | 05/02/25 | 05/02/25 |
| 2-Methylnaphthalene | ND | | ug/L | 10 | 3.6 | 05/02/25 | 05/02/25 |
| Hexachlorocyclopentadiene | ND | | ug/L | 25 | 10 | 05/02/25 | 05/02/25 |
| 2,4,6-Trichlorophenol | ND | | ug/L | 10 | 4.4 | 05/02/25 | 05/02/25 |
| 2,4,5-Trichlorophenol | ND | | ug/L | 10 | 4.0 | 05/02/25 | 05/02/25 |
| 2-Chloronaphthalene | ND | | ug/L | 10 | 3.9 | 05/02/25 | 05/02/25 |
| 2-Nitroaniline | ND | | ug/L | 50 | 3.4 | 05/02/25 | 05/02/25 |
| Dimethylphthalate | ND | | ug/L | 10 | 4.0 | 05/02/25 | 05/02/25 |
| Acenaphthylene | ND | | ug/L | 10 | 4.7 | 05/02/25 | 05/02/25 |
| 2,6-Dinitrotoluene | ND | | ug/L | 10 | 3.9 | 05/02/25 | 05/02/25 |
| 3-Nitroaniline | ND | | ug/L | 10 | 3.6 | 05/02/25 | 05/02/25 |
| Acenaphthene | ND | | ug/L | 10 | 3.6 | 05/02/25 | 05/02/25 |
| 2,4-Dinitrophenol | ND | | ug/L | 50 | 7.7 | 05/02/25 | 05/02/25 |
| 4-Nitrophenol | ND | | ug/L | 50 | 5.6 | 05/02/25 | 05/02/25 |
| Dibenzofuran | ND | | ug/L | 10 | 3.6 | 05/02/25 | 05/02/25 |
| 2,4-Dinitrotoluene | ND | | ug/L | 10 | 3.3 | 05/02/25 | 05/02/25 |
| Diethylphthalate | ND | | ug/L | 10 | 3.1 | 05/02/25 | 05/02/25 |
| Fluorene | ND | | ug/L | 10 | 3.4 | 05/02/25 | 05/02/25 |
| 4-Chlorophenyl-phenylether | ND | | ug/L | 10 | 3.7 | 05/02/25 | 05/02/25 |
| 4-Nitroaniline | ND | | ug/L | 10 | 3.2 | 05/02/25 | 05/02/25 |

ENTHALPY ANALYTICAL

## Batch QC

| QC1253912 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | ND | | ug/L | 50 | 13 | 05/02/25 | 05/02/25 |
| N-Nitrosodiphenylamine | ND | | ug/L | 10 | 5.8 | 05/02/25 | 05/02/25 |
| 1,2-diphenylhydrazine (as azobenzene) | ND | | ug/L | 10 | 3.8 | 05/02/25 | 05/02/25 |
| 4-Bromophenyl-phenylether | ND | | ug/L | 10 | 4.0 | 05/02/25 | 05/02/25 |
| Hexachlorobenzene | ND | | ug/L | 10 | 3.6 | 05/02/25 | 05/02/25 |
| Pentachlorophenol | ND | | ug/L | 25 | 3.2 | 05/02/25 | 05/02/25 |
| Phenanthrene | ND | | ug/L | 10 | 2.7 | 05/02/25 | 05/02/25 |
| Anthracene | ND | | ug/L | 10 | 2.6 | 05/02/25 | 05/02/25 |
| Di-n-butylphthalate | ND | | ug/L | 10 | 1.7 | 05/02/25 | 05/02/25 |
| Fluoranthene | ND | | ug/L | 10 | 1.6 | 05/02/25 | 05/02/25 |
| Benzidine | ND | | ug/L | 50 | 14 | 05/02/25 | 05/02/25 |
| Pyrene | ND | | ug/L | 10 | 1.9 | 05/02/25 | 05/02/25 |
| Butylbenzylphthalate | ND | | ug/L | 10 | 2.2 | 05/02/25 | 05/02/25 |
| 3,3'-Dichlorobenzidine | ND | | ug/L | 25 | 3.5 | 05/02/25 | 05/02/25 |
| Benzo(a)anthracene | ND | | ug/L | 10 | 0.99 | 05/02/25 | 05/02/25 |
| Chrysene | ND | | ug/L | 10 | 1.2 | 05/02/25 | 05/02/25 |
| bis(2-Ethylhexyl)phthalate | ND | | ug/L | 10 | 3.3 | 05/02/25 | 05/02/25 |
| Di-n-octylphthalate | ND | | ug/L | 10 | 1.3 | 05/02/25 | 05/02/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 10 | 1.2 | 05/02/25 | 05/02/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 10 | 1.4 | 05/02/25 | 05/02/25 |
| Benzo(a)pyrene | ND | | ug/L | 10 | 1.4 | 05/02/25 | 05/02/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 10 | 1.2 | 05/02/25 | 05/02/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 10 | 1.5 | 05/02/25 | 05/02/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 10 | 1.5 | 05/02/25 | 05/02/25 |
| TIC:2,6-Dichlorophenol | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:2-Acetylaminofluorene | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:3,3'-Dimethylbenzidine | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:4-Aminobiphenyl | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:7,12-Dimethylbenz[a]anthracene | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:Acetonitrile | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:Acetophenone | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:Bis(2-chloro-1-methylethyl) ether | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:Chlorobenzilate | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:Diallate | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:Thionazin | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:a,a-Dimethylphenethylamine | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| TIC:p-(Dimethylamino) azobenzene | ND | | ug/L | | | 05/02/25 | 05/02/25 |
| **Surrogates** | | | | **Limits** | | | |
| 2-Fluorophenol | 41% | | %REC | 20-140 | | 05/02/25 | 05/02/25 |
| Phenol-d6 | 28% | | %REC | 20-140 | | 05/02/25 | 05/02/25 |
| 2,4,6-Tribromophenol | 70% | | %REC | 20-140 | | 05/02/25 | 05/02/25 |
| Nitrobenzene-d5 | 68% | | %REC | 20-140 | | 05/02/25 | 05/02/25 |
| 2-Fluorobiphenyl | 68% | | %REC | 20-140 | | 05/02/25 | 05/02/25 |
| Terphenyl-d14 | 75% | | %REC | 20-140 | | 05/02/25 | 05/02/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1253913** | **Batch:** | **370314** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1253913 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 27.32 | 75.00 | ug/L | 36% | | 13-120 |
| 2-Chlorophenol | 55.61 | 75.00 | ug/L | 74% | | 31-120 |
| 1,4-Dichlorobenzene | 57.88 | 75.00 | ug/L | 77% | | 24-120 |
| 3-,4-Methylphenol | 52.79 | 75.00 | ug/L | 70% | | 29-120 |
| N-Nitroso-di-n-propylamine | 68.69 | 75.00 | ug/L | 92% | | 32-120 |
| 2,4-Dimethylphenol | 66.67 | 75.00 | ug/L | 89% | | 25-120 |
| 1,2,4-Trichlorobenzene | 60.68 | 75.00 | ug/L | 81% | | 26-120 |
| 4-Chloro-3-methylphenol | 68.01 | 75.00 | ug/L | 91% | | 39-120 |
| 2,4,5-Trichlorophenol | 68.45 | 75.00 | ug/L | 91% | | 38-120 |
| Acenaphthene | 61.61 | 75.00 | ug/L | 82% | | 33-120 |
| 4-Nitrophenol | 27.97 | 75.00 | ug/L | 37% | | 12-120 |
| 2,4-Dinitrotoluene | 73.77 | 75.00 | ug/L | 98% | | 46-120 |
| Pentachlorophenol | 53.58 | 75.00 | ug/L | 71% | | 37-120 |
| Pyrene | 66.38 | 75.00 | ug/L | 89% | | 47-120 |
| Chrysene | 63.65 | 75.00 | ug/L | 85% | | 48-120 |
| Benzo(b)fluoranthene | 65.82 | 75.00 | ug/L | 88% | | 46-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 20.02 | 40.00 | ug/L | 50% | | 20-140 |
| Phenol-d6 | 13.97 | 40.00 | ug/L | 35% | | 20-140 |
| 2,4,6-Tribromophenol | 33.10 | 40.00 | ug/L | 83% | | 20-140 |
| Nitrobenzene-d5 | 31.81 | 40.00 | ug/L | 80% | | 20-140 |
| 2-Fluorobiphenyl | 31.06 | 40.00 | ug/L | 78% | | 20-140 |
| Terphenyl-d14 | 32.49 | 40.00 | ug/L | 81% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1253914** | **Batch:** | **370314** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1253914 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| Phenol | 28.28 | 75.00 | ug/L | 38% | | 13-120 | 3 | 62 |
| 2-Chlorophenol | 57.77 | 75.00 | ug/L | 77% | | 31-120 | 4 | 62 |
| 1,4-Dichlorobenzene | 59.96 | 75.00 | ug/L | 80% | | 24-120 | 4 | 64 |
| 3-,4-Methylphenol | 54.34 | 75.00 | ug/L | 72% | | 29-120 | 3 | 62 |
| N-Nitroso-di-n-propylamine | 71.16 | 75.00 | ug/L | 95% | | 32-120 | 4 | 65 |
| 2,4-Dimethylphenol | 68.86 | 75.00 | ug/L | 92% | | 25-120 | 3 | 64 |
| 1,2,4-Trichlorobenzene | 63.80 | 75.00 | ug/L | 85% | | 26-120 | 5 | 63 |
| 4-Chloro-3-methylphenol | 71.97 | 75.00 | ug/L | 96% | | 39-120 | 6 | 58 |
| 2,4,5-Trichlorophenol | 71.40 | 75.00 | ug/L | 95% | | 38-120 | 4 | 59 |
| Acenaphthene | 65.37 | 75.00 | ug/L | 87% | | 33-120 | 6 | 52 |
| 4-Nitrophenol | 29.79 | 75.00 | ug/L | 40% | | 12-120 | 6 | 63 |
| 2,4-Dinitrotoluene | 78.67 | 75.00 | ug/L | 105% | | 46-120 | 6 | 41 |
| Pentachlorophenol | 57.94 | 75.00 | ug/L | 77% | | 37-120 | 8 | 42 |
| Pyrene | 71.42 | 75.00 | ug/L | 95% | | 47-120 | 7 | 43 |
| Chrysene | 68.55 | 75.00 | ug/L | 91% | | 48-120 | 7 | 46 |
| Benzo(b)fluoranthene | 69.21 | 75.00 | ug/L | 92% | | 46-120 | 5 | 47 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 21.14 | 40.00 | ug/L | 53% | | 20-140 | | |
| Phenol-d6 | 14.47 | 40.00 | ug/L | 36% | | 20-140 | | |
| 2,4,6-Tribromophenol | 36.33 | 40.00 | ug/L | 91% | | 20-140 | | |
| Nitrobenzene-d5 | 33.84 | 40.00 | ug/L | 85% | | 20-140 | | |
| 2-Fluorobiphenyl | 33.61 | 40.00 | ug/L | 84% | | 20-140 | | |
| Terphenyl-d14 | 35.46 | 40.00 | ug/L | 89% | | 20-140 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1253916** | **Batch:** | **370314** |
| **Matrix:** | **TCLP Leachate** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1253916 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Phenol | 63.35 | 150.0 | ug/L | 42% | | 13-120 |
| 2-Chlorophenol | 82.31 | 150.0 | ug/L | 55% | | 31-120 |
| 1,4-Dichlorobenzene | 80.69 | 150.0 | ug/L | 54% | | 24-120 |
| 3-,4-Methylphenol | 86.83 | 150.0 | ug/L | 58% | | 29-120 |
| N-Nitroso-di-n-propylamine | 97.15 | 150.0 | ug/L | 65% | | 32-120 |
| 2,4-Dimethylphenol | 98.13 | 150.0 | ug/L | 65% | | 25-120 |
| 1,2,4-Trichlorobenzene | 86.23 | 150.0 | ug/L | 57% | | 26-120 |
| 4-Chloro-3-methylphenol | 100.2 | 150.0 | ug/L | 67% | | 39-120 |
| 2,4,5-Trichlorophenol | 101.5 | 150.0 | ug/L | 68% | | 38-120 |
| Acenaphthene | 88.44 | 150.0 | ug/L | 59% | | 33-120 |
| 4-Nitrophenol | 81.91 | 150.0 | ug/L | 55% | | 12-120 |
| 2,4-Dinitrotoluene | 130.9 | 150.0 | ug/L | 87% | | 46-120 |
| Pentachlorophenol | 100.6 | 150.0 | ug/L | 67% | | 37-120 |
| Pyrene | 120.9 | 150.0 | ug/L | 81% | | 47-120 |
| Chrysene | 118.6 | 150.0 | ug/L | 79% | | 48-120 |
| Benzo(b)fluoranthene | 121.7 | 150.0 | ug/L | 81% | | 46-120 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 36.76 | 80.00 | ug/L | 46% | | 20-140 |
| Phenol-d6 | 31.51 | 80.00 | ug/L | 39% | | 20-140 |
| 2,4,6-Tribromophenol | 59.92 | 80.00 | ug/L | 75% | | 20-140 |
| Nitrobenzene-d5 | 47.33 | 80.00 | ug/L | 59% | | 20-140 |
| 2-Fluorobiphenyl | 45.30 | 80.00 | ug/L | 57% | | 20-140 |
| Terphenyl-d14 | 60.44 | 80.00 | ug/L | 76% | | 20-140 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Sample Spike** | **Lab ID:** | **QC1253917** | **Batch:** | **370314** |
| **Matrix (Source ID):** | **TCLP Leachate (532117-001)** | **Method:** | **EPA 8270C** | **Prep Method:** | **EPA 3510C** |

| QC1253917 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Phenol | 8,351 | 8112 | 150.0 | ug/L | 159% | E,NM | 10-130 | 20 |
| 2-Chlorophenol | 108.7 | ND | 150.0 | ug/L | 72% | | 21-130 | 20 |
| 1,4-Dichlorobenzene | 96.40 | ND | 150.0 | ug/L | 64% | | 14-130 | 20 |
| 3-,4-Methylphenol | 636.2 | 528.7 | 150.0 | ug/L | 72% | | 19-130 | 20 |
| N-Nitroso-di-n-propylamine | 141.0 | 96.54 | 150.0 | ug/L | 30% | | 22-130 | 20 |
| 2,4-Dimethylphenol | 140.1 | ND | 150.0 | ug/L | 93% | | 15-130 | 20 |
| 1,2,4-Trichlorobenzene | 110.2 | ND | 150.0 | ug/L | 73% | | 16-130 | 20 |
| 4-Chloro-3-methylphenol | 161.6 | ND | 150.0 | ug/L | 108% | | 29-130 | 20 |
| 2,4,5-Trichlorophenol | 142.4 | ND | 150.0 | ug/L | 95% | | 28-130 | 20 |
| Acenaphthene | 115.1 | ND | 150.0 | ug/L | 77% | | 23-130 | 20 |
| 4-Nitrophenol | 100.1 | ND | 150.0 | ug/L | | DO | 10-130 | 20 |
| 2,4-Dinitrotoluene | 122.1 | ND | 150.0 | ug/L | 81% | | 36-130 | 20 |
| Pentachlorophenol | 223.6 | ND | 150.0 | ug/L | | DO | 27-130 | 20 |
| Pyrene | 116.4 | ND | 150.0 | ug/L | 78% | | 37-130 | 20 |
| Chrysene | 116.8 | ND | 150.0 | ug/L | 78% | | 38-130 | 20 |
| Benzo(b)fluoranthene | 111.2 | ND | 150.0 | ug/L | 74% | | 36-130 | 20 |
| **Surrogates** | | | | | | | | |
| 2-Fluorophenol | 51.66 | | 80.00 | ug/L | 65% | | 10-140 | 20 |
| Phenol-d6 | 56.40 | | 80.00 | ug/L | 70% | | 10-140 | 20 |
| 2,4,6-Tribromophenol | 71.56 | | 80.00 | ug/L | 89% | | 12-140 | 20 |
| Nitrobenzene-d5 | 59.64 | | 80.00 | ug/L | 75% | | 10-140 | 20 |
| 2-Fluorobiphenyl | 56.01 | | 80.00 | ug/L | 70% | | 11-140 | 20 |
| Terphenyl-d14 | 58.09 | | 80.00 | ug/L | 73% | | 20-140 | 20 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | |
|---|---|---|---|
| **Type:** Blank | **Lab ID:** QC1252695 | | **Batch:** 369948 |
| **Matrix:** Water | **Method:** EPA 8270C-SIM | | **Prep Method:** EPA 3510C |

| QC1252695 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | | ug/L | 0.50 | 0.25 | 04/29/25 | 04/30/25 |
| 2-Methylnaphthalene | ND | | ug/L | 0.50 | 0.24 | 04/29/25 | 04/30/25 |
| Naphthalene | ND | | ug/L | 0.50 | 0.21 | 04/29/25 | 04/30/25 |
| Acenaphthylene | ND | | ug/L | 0.50 | 0.23 | 04/29/25 | 04/30/25 |
| Acenaphthene | ND | | ug/L | 0.50 | 0.22 | 04/29/25 | 04/30/25 |
| Fluorene | ND | | ug/L | 0.50 | 0.23 | 04/29/25 | 04/30/25 |
| Phenanthrene | ND | | ug/L | 0.50 | 0.20 | 04/29/25 | 04/30/25 |
| Anthracene | ND | | ug/L | 0.50 | 0.23 | 04/29/25 | 04/30/25 |
| Fluoranthene | ND | | ug/L | 0.50 | 0.19 | 04/29/25 | 04/30/25 |
| Pyrene | ND | | ug/L | 0.50 | 0.19 | 04/29/25 | 04/30/25 |
| Benzo(a)anthracene | ND | | ug/L | 0.50 | 0.13 | 04/29/25 | 04/30/25 |
| Chrysene | ND | | ug/L | 0.50 | 0.17 | 04/29/25 | 04/30/25 |
| Benzo(b)fluoranthene | ND | | ug/L | 0.50 | 0.12 | 04/29/25 | 04/30/25 |
| Benzo(k)fluoranthene | ND | | ug/L | 0.50 | 0.15 | 04/29/25 | 04/30/25 |
| Benzo(a)pyrene | ND | | ug/L | 0.50 | 0.14 | 04/29/25 | 04/30/25 |
| Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.50 | 0.26 | 04/29/25 | 04/30/25 |
| Dibenz(a,h)anthracene | ND | | ug/L | 0.50 | 0.26 | 04/29/25 | 04/30/25 |
| Benzo(g,h,i)perylene | ND | | ug/L | 0.50 | 0.25 | 04/29/25 | 04/30/25 |
| **Surrogates** | | | | **Limits** | | | |
| Nitrobenzene-d5 | 61% | | %REC | 16-125 | | 04/29/25 | 04/30/25 |
| 2-Fluorobiphenyl | 62% | | %REC | 17-120 | | 04/29/25 | 04/30/25 |
| Terphenyl-d14 | 86% | | %REC | 39-123 | | 04/29/25 | 04/30/25 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1252696** | **Batch:** | **369948** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1252696 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 2.635 | 4.000 | ug/L | 66% | | 23-120 |
| 2-Methylnaphthalene | 2.660 | 4.000 | ug/L | 66% | | 33-120 |
| Naphthalene | 2.593 | 4.000 | ug/L | 65% | | 38-120 |
| Acenaphthylene | 2.798 | 4.000 | ug/L | 70% | | 37-120 |
| Acenaphthene | 2.723 | 4.000 | ug/L | 68% | | 39-120 |
| Fluorene | 2.948 | 4.000 | ug/L | 74% | | 43-120 |
| Phenanthrene | 3.036 | 4.000 | ug/L | 76% | | 42-120 |
| Anthracene | 2.965 | 4.000 | ug/L | 74% | | 42-120 |
| Fluoranthene | 3.219 | 4.000 | ug/L | 80% | | 48-120 |
| Pyrene | 3.210 | 4.000 | ug/L | 80% | | 44-120 |
| Benzo(a)anthracene | 3.281 | 4.000 | ug/L | 82% | | 51-126 |
| Chrysene | 3.324 | 4.000 | ug/L | 83% | | 47-120 |
| Benzo(b)fluoranthene | 3.258 | 4.000 | ug/L | 81% | | 44-127 |
| Benzo(k)fluoranthene | 3.307 | 4.000 | ug/L | 83% | | 43-127 |
| Benzo(a)pyrene | 2.972 | 4.000 | ug/L | 74% | | 29-124 |
| Indeno(1,2,3-cd)pyrene | 3.463 | 4.000 | ug/L | 87% | | 44-127 |
| Dibenz(a,h)anthracene | 3.512 | 4.000 | ug/L | 88% | | 55-120 |
| Benzo(g,h,i)perylene | 3.463 | 4.000 | ug/L | 87% | | 46-120 |
| **Surrogates** | | | | | | |
| Nitrobenzene-d5 | 2.386 | 4.000 | ug/L | 60% | | 16-125 |
| 2-Fluorobiphenyl | 2.541 | 4.000 | ug/L | 64% | | 17-120 |
| Terphenyl-d14 | 3.523 | 4.000 | ug/L | 88% | | 39-123 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1252697** | **Batch:** | **369948** |
| **Matrix:** | **Water** | **Method:** | **EPA 8270C-SIM** | **Prep Method:** | **EPA 3510C** |

| QC1252697 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | 2.926 | 4.000 | ug/L | 73% | | 23-120 | 10 | 20 |
| 2-Methylnaphthalene | 2.935 | 4.000 | ug/L | 73% | | 33-120 | 10 | 20 |
| Naphthalene | 2.929 | 4.000 | ug/L | 73% | | 38-120 | 12 | 20 |
| Acenaphthylene | 3.048 | 4.000 | ug/L | 76% | | 37-120 | 9 | 20 |
| Acenaphthene | 3.024 | 4.000 | ug/L | 76% | | 39-120 | 10 | 20 |
| Fluorene | 3.222 | 4.000 | ug/L | 81% | | 43-120 | 9 | 20 |
| Phenanthrene | 3.199 | 4.000 | ug/L | 80% | | 42-120 | 5 | 20 |
| Anthracene | 3.119 | 4.000 | ug/L | 78% | | 42-120 | 5 | 20 |
| Fluoranthene | 3.317 | 4.000 | ug/L | 83% | | 48-120 | 3 | 20 |
| Pyrene | 3.305 | 4.000 | ug/L | 83% | | 44-120 | 3 | 20 |
| Benzo(a)anthracene | 3.326 | 4.000 | ug/L | 83% | | 51-126 | 1 | 20 |
| Chrysene | 3.369 | 4.000 | ug/L | 84% | | 47-120 | 1 | 20 |
| Benzo(b)fluoranthene | 3.364 | 4.000 | ug/L | 84% | | 44-127 | 3 | 20 |
| Benzo(k)fluoranthene | 3.306 | 4.000 | ug/L | 83% | | 43-127 | 0 | 20 |
| Benzo(a)pyrene | 3.037 | 4.000 | ug/L | 76% | | 29-124 | 2 | 20 |
| Indeno(1,2,3-cd)pyrene | 3.492 | 4.000 | ug/L | 87% | | 44-127 | 1 | 20 |
| Dibenz(a,h)anthracene | 3.552 | 4.000 | ug/L | 89% | | 55-120 | 1 | 20 |
| Benzo(g,h,i)perylene | 3.505 | 4.000 | ug/L | 88% | | 46-120 | 1 | 20 |
| **Surrogates** | | | | | | | | |
| Nitrobenzene-d5 | 2.725 | 4.000 | ug/L | 68% | | 16-125 | | |
| 2-Fluorobiphenyl | 2.818 | 4.000 | ug/L | 70% | | 17-120 | | |
| Terphenyl-d14 | 3.579 | 4.000 | ug/L | 89% | | 39-123 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1253644** | **Batch:** | **370243** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1253644 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Cyanide | ND | | mg/L | 0.0050 | 0.0021 | 05/01/25 | 05/01/25 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1253645** | **Batch:** | **370243** |
| **Matrix:** | **Water** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1253645 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Cyanide | 0.1026 | 0.1000 | mg/L | 103% | | 85-115 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1253646** | **Batch:** | **370243** |
| **Matrix (Source ID):** | **Water (531563-002)** | **Method:** | **SM 4500-CN-E** | **Prep Method:** | **METHOD** |

| QC1253646 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.08783 | 0.01102 | 0.1000 | mg/L | 77% | * | 80-120 | 0.5 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1253647 | Batch: | 370243 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531563-002) | Method: | SM 4500-CN-E | Prep Method: | METHOD |

| QC1253647 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.06065 | 0.01102 | 0.1000 | mg/L | 50% | * | 80-120 | 37* | 20 | 0.5 |

| Type: | Blank | Lab ID: | QC1252419 | Batch: | 369874 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1252419 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 04/28/25 | 04/28/25 |

| Type: | Lab Control Sample | Lab ID: | QC1252420 | Batch: | 369874 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1252420 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

| Type: | Matrix Spike | Lab ID: | QC1252421 | Batch: | 369874 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531562-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1252421 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

| Type: | Matrix Spike Duplicate | Lab ID: | QC1252422 | Batch: | 369874 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531562-001) | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1252422 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

| | |
|---|---|
| # | CCV drift outside limits; average CCV drift within limits per method requirements |
| * | Value is outside QC limits |
| DO | Diluted Out |
| E | Response exceeds instrument's linear range |
| J | Estimated value |
| ND | Not Detected |
| NM | Not Meaningful |
| b | See narrative |

**Laboratory Job Number 531817**

**Subcontracted Products**

**Pace Laboratories**

**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 13, 2025

Zach Barker
Enthalpy Analytical
931 W Barkley Ave
Orange, CA 92868

RE: Project: 531817
Pace Project No.: 30775412

Dear Zach Barker:

Enclosed are the analytical results for sample(s) received by the laboratory on April 29, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

The samples will be subcontracted to Pace Bakersfield for analysis. Results of the analysis are reported on the Pace Bakersfield data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Sophia Baughman, Enthalpy Analytical
Diane Galvan, Enthalpy Analytical
Brenda Hamilton, Enthalpy Analytical
Ms. Patricia Mata, Enthalpy Analytical
Taylor Nasu, Enthalpy Analytical
Jocelyn Nguyen, Enthalpy Analytical
Incoming Reports, Enthalpy Analytical
David Tripp, Enthalpy Analytical

**REPORT OF LABORATORY ANALYSIS**

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**Pace Analytical Services, LLC**
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

## SAMPLE SUMMARY

Project: 531817
Pace Project No.: 30775412

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **30775412001** | **SOUTH BASIN WEST INLET** | Water | 04/26/25 09:15 | 04/29/25 10:35 |
| **30775412002** | **SOUTH BASIN EAST INLET** | Water | 04/26/25 09:45 | 04/29/25 10:35 |

**REPORT OF LABORATORY ANALYSIS**

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ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2506811

2506811

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-531817
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET -1 | 26-APR-2025 09:15 | 531817-001 | 1 | Water | Organophosphorus Pesticides | |
| SOUTH BASIN EAST INLET -2 | 26-APR-2025 09:45 | 531817-002 | 1 | Water | Organophosphorus Pesticides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Ana Maluk EA-Ora | |
| | Date: 4/28/25 14:30 | Date: 4/29/25 1035 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

CHK BY JVM
DISTRIBUTION
SUB OUT

| PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1 |
|---|---|---|
| Submission #: 7506811 | | |

**SHIPPING INFORMATION**
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____

**SHIPPING CONTAINER**
Ice Chest ☐ None ☐ Box ☐
Other ☐ (Specify)_____

**FREE LIQUID**
YES ☐ NO ☐
W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☐ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☐ No ☐

**COC Received**
☐ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 367
Temperature: (A) 0.3 °C / (C) 0.3 °C

Date/Time 4/29/25
Analyst Init ICP 1035

| SAMPLE CONTAINERS | SAMPLE NUMBERS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| PT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / (32oz) AMBER | A | A | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:
Sample Numbering Completed By: _____ Date/Time: 04/29/25 1248
A = Actual / C = Corrected

Rev 23 05/20/22
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

Date of Report: 05/12/2025

Nikayla Yasurek

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

| | |
|---|---|
| Client Project: | [none] |
| Pace Project: | Chiquita Canyon Landfill Stormwater |
| Pace Work Order: | 2506811 |
| Invoice ID: | B516764 |

Enclosed are the results of analyses for samples received by the laboratory on 4/29/2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Ragen Williams
Client Service Rep

Steven Bennett
Operations Manager

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ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

**2506811**

2506811

Subcontract Laboratory:
Pace Laboratories
4100 Atlas Court
Bakersfield, CA 93308
ATTN: Ragen Schallock
PO #: Required, to be sent via email

Enthalpy Order: EO-531817
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: ELM_TransferOut (Standard Excel Transfer EDD, 3 tabs)

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET -1 | 26-APR-2025 09:15 | 531817-001 | 1 | Water | Organophosphorus Pesticides | |
| SOUTH BASIN EAST INLET -2 | 26-APR-2025 09:45 | 531817-002 | 1 | Water | Organophosphorus Pesticides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Ana Maluto EA-Ora | |
| | Date: 4/28/25 14:30 | Date: 4/29/25 1035 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

CHK BY JM DISTRIBUTION SUB OUT

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| PACE ANALYTICAL | COOLER RECEIPT FORM | Page 1 Of 1 |
|---|---|---|
| Submission #: 7506811 | | |

| SHIPPING INFORMATION | SHIPPING CONTAINER | FREE LIQUID |
|---|---|---|
| Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☒<br>Pace Lab Field Service ☐ Other ☐ (Specify)_____ | Ice Chest ☒ None ☐ Box ☐<br>Other ☐ (Specify)_____ | YES ☒ NO ☐<br>W / S |

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact: Yes ☐ No ☐ Containers ☐ Intact: Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 367 Date/Time 4/29/25

Temperature: (A) 0.3 °C / (C) 0.3 °C Analyst Init JCD 1035

| SAMPLE CONTAINERS | SAMPLE NUMBERS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| QT PE UNPRES | | | | | | | | | | |
| 4oz / 8oz / 16oz PE UNPRES | | | | | | | | | | |
| 2oz $Cr^{+6}$ | | | | | | | | | | |
| QT INORGANIC CHEMICAL METALS | | | | | | | | | | |
| INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz | | | | | | | | | | |
| PT CYANIDE | | | | | | | | | | |
| PT NITROGEN FORMS | | | | | | | | | | |
| FT TOTAL SULFIDE | | | | | | | | | | |
| 2oz. NITRATE / NITRITE | | | | | | | | | | |
| PT TOTAL ORGANIC CARBON | | | | | | | | | | |
| PT CHEMICAL OXYGEN DEMAND | | | | | | | | | | |
| PtA PHENOLICS | | | | | | | | | | |
| 40ml VOA VIAL TRAVEL BLANK | | | | | | | | | | |
| 40ml VOA VIAL | | | | | | | | | | |
| QT EPA 1664B | | | | | | | | | | |
| PT ODOR | | | | | | | | | | |
| RADIOLOGICAL | | | | | | | | | | |
| BACTERIOLOGICAL | | | | | | | | | | |
| 40 ml VOA VIAL- 504 | | | | | | | | | | |
| QT EPA 508/608.3/8081A | | | | | | | | | | |
| QT EPA 515.1/8151A | | | | | | | | | | |
| QT EPA 525.2 | | | | | | | | | | |
| QT EPA 525.2 TRAVEL BLANK | | | | | | | | | | |
| 40ml EPA 547 | | | | | | | | | | |
| 40ml EPA 531.1 | | | | | | | | | | |
| 8oz EPA 548.1 | | | | | | | | | | |
| QT EPA 549.2 | | | | | | | | | | |
| QT EPA 8015M | | | | | | | | | | |
| QT EPA 8270C | | | | | | | | | | |
| 8oz / 16oz / 32oz AMBER | A | A | | | | | | | | |
| 8oz / 16oz / 32oz JAR | | | | | | | | | | |
| SOIL SLEEVE | | | | | | | | | | |
| PCB VIAL | | | | | | | | | | |
| PLASTIC BAG | | | | | | | | | | |
| TEDLAR BAG | | | | | | | | | | |
| FERROUS IRON | | | | | | | | | | |
| ENCORE | | | | | | | | | | |
| SMART KIT | | | | | | | | | | |
| SUMMA CANISTER | | | | | | | | | | |

Comments:

Sample Numbering Completed By: JCD Date/Time: 04/29/25 1248

A = Actual / C = Corrected

Rev 23 05/20/22

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**Chain of Custody and Cooler Receipt Form for 2506811 Page 3 of 4**

# Internal Transfer Chain of Custody

Pace

☐ Rush Multiplier____X
☐ ☐ Samples Pre-Logged into eCOC

Cert. Needed: ☐ Yes ☐ No

Workorder: 30775412 Workorder Name: 531817 Owner Received Date: 4/29/2025 Results Requested By: 5/13/2025

**Report To**

Nikayla M. Yasurek
Pace Analytical Pittsburgh
1638 Roseytown Road
Suites 2,3,4
Greensburg, PA 15601
Phone (724)850-5600

**Subcontract To**

Pace Analytical Bakersfield
4100 Atlas Court
Bakersfield, CA 93313
Phone (661)327-4911

**Requested Analysis**

| Item | Sample ID | Sample Type | Collect Date/Time | Lab ID | Matrix | Preserved Containers: HCl | Organophosphorus Pesticides | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN WEST INLET | PS | 4/26/2025 09:15 | 30775412001 | Water | 1 | X | |
| 2 | SOUTH BASIN EAST INLET | PS | 4/26/2025 09:45 | 30775412002 | Water | 1 | X | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |

**Comments**

| Transfers | Released By | Date/Time | Received By | Date/Time |
|---|---|---|---|---|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |

**Cooler Temperature on Receipt ____ °C** | **Custody Seal Y or N** | **Received on Ice Y or N** | **Samples Intact Y or N**

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*

*This chain of custody is considered complete as is since this information is available in the owner laboratory.*

Wednesday, April 30, 2025 3:59:27 PM FMT-ALL-C-002rev.00 24March2009 Page 1 of 1

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**INTER_LABORATORY WORK ORDER # 30775412**
(To be completed by sending lab)

**Ship To:**
Pace Analytical Bakersfield
4100 Atlas Court
Bakersfield, CA 93313
Phone (661)327-4911

| | |
|---|---|
| Sending Project No: | 30775412 |
| Receiving Project No: | |
| Check Box for Consolidated Invoice: | ☐ |
| Date Prepared: | 04/30/25 |
| **REQUESTED COMPLETION DATE:** | **5/13/2025** |

| | | | |
|---|---|---|---|
| Sending Region | IR30-Pittsburgh | Sending Project Mgr. | Nikayla M. Yasurek |
| Receiving Region | S870 | External Client | Enthalpy Analytical |
| State of Sample Origin | | QC Deliverable | STD REPORT |

**All questions should be addressed to sending project manager.**

Requested Reportable Units _____ Report Wet or Dry Weight? Dry Weight ☐ IRWO Lab Need to run? Cert. Needed _____

**WORK REQUESTED**

| Method Description | Container Type | Quantity of containers | Preservative | Quantity of Samples | Acode | Acode Desc |
|---|---|---|---|---|---|---|
| Organophosphorus Pesticides | DG9H | | HCL | 2 | SI-33GCV | SUB PASI GCV |

**Special Requirements:** Report C, QC Limits (C),CA PWS CLIP (1687),PEG Level LE (1550)

**FOR ANALYTICAL WORK COMPLETED THIS SECTION ALSO**

Return Samples to Sending Region: ☐ Yes ☐ No

**DISPOSITION of FORM**

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Wednesday, April 30, 2025 3:59:29 PM FMT-ALL-C-001 rev.00 24March2009 Page 1 of 1

PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information | | | |
|---|---|---|---|---|
| **2506811-01** | **COC Number:** | --- | **Receive Date:** | 04/29/2025 10:35 |
| | **Project Number:** | --- | **Sampling Date:** | 04/26/2025 09:15 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SOUTH BASIN WEST INLET | **Lab Matrix:** | Water |
| | **Sampled By:** | Client | **Sample Type:** | Water |
| **2506811-02** | **COC Number:** | --- | **Receive Date:** | 04/29/2025 10:35 |
| | **Project Number:** | --- | **Sampling Date:** | 04/26/2025 09:45 |
| | **Sampling Location:** | --- | **Sample Depth:** | --- |
| | **Sampling Point:** | SOUTH BASIN EAST INLET | **Lab Matrix:** | Water |
| | **Sampled By:** | Client | **Sample Type:** | Water |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2506811-01 | **Client Sample Name:** SOUTH BASIN WEST INLET, 4/26/2025 9:15:00AM, Client

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 0.50 | 0.12 | EPA-8141A | ND | | 1 |
| Bolstar | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Coumaphos | ND | ug/L | 0.50 | 0.11 | EPA-8141A | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.20 | 0.056 | EPA-8141A | ND | | 1 |
| Diazinon | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Disulfoton | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Ethoprop | ND | ug/L | 0.20 | 0.052 | EPA-8141A | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.20 | 0.051 | EPA-8141A | ND | | 1 |
| Fenthion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Merphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Mevinphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Naled | ND | ug/L | 0.50 | 0.17 | EPA-8141A | ND | | 1 |
| Phorate | ND | ug/L | 0.20 | 0.066 | EPA-8141A | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.20 | 0.082 | EPA-8141A | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Trichloronate | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Triphenylphosphate (Surrogate) | 66.0 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 05/02/25 11:50 | 05/12/25 10:53 | HAH | GC-18 | 1 | B211435 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

**Pace Sample ID:** 2506811-02 | **Client Sample Name:** SOUTH BASIN EAST INLET, 4/26/2025 9:45:00AM, Client

| Constituent | Result | Units | PQL | MDL | Method | MB Bias | Lab Quals | DCN |
|---|---|---|---|---|---|---|---|---|
| Azinphos methyl | ND | ug/L | 0.50 | 0.12 | EPA-8141A | ND | | 1 |
| Bolstar | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Chlorpyrifos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Coumaphos | ND | ug/L | 0.50 | 0.11 | EPA-8141A | ND | | 1 |
| Demeton O/S | ND | ug/L | 0.20 | 0.056 | EPA-8141A | ND | | 1 |
| Diazinon | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Dichlorvos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Disulfoton | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Ethoprop | ND | ug/L | 0.20 | 0.052 | EPA-8141A | ND | | 1 |
| Fensulfothion | ND | ug/L | 0.20 | 0.051 | EPA-8141A | ND | | 1 |
| Fenthion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Merphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Methyl parathion | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Mevinphos | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Naled | ND | ug/L | 0.50 | 0.17 | EPA-8141A | ND | | 1 |
| Phorate | ND | ug/L | 0.20 | 0.066 | EPA-8141A | ND | | 1 |
| Ronnel (Fenchlorphos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Stirophos (Tetrachlorvinphos) | ND | ug/L | 0.20 | 0.082 | EPA-8141A | ND | | 1 |
| Tokuthion (Prothiofos) | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Trichloronate | ND | ug/L | 0.20 | 0.050 | EPA-8141A | ND | | 1 |
| Triphenylphosphate (Surrogate) | 75.0 | % | 50 - 130 (LCL - UCL) | | EPA-8141A | | | 1 |

| DCN | Method | Prep Date | Run Date/Time | Analyst | Instrument | Dilution | QC Batch ID | Prep Method |
|---|---|---|---|---|---|---|---|---|
| 1 | EPA-8141A | 05/02/25 11:50 | 05/12/25 11:23 | HAH | GC-18 | 1.010 | B211435 | EPA 3510C |

DCN = Data Continuation Number

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Method Blank Analysis

| Constituent | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|
| **QC Batch ID: B211435** | | | | | | | |
| Azinphos methyl | B211435-BLK1 | ND | ug/L | 0.50 | 0.12 | | 1 |
| Bolstar | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Chlorpyrifos | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Coumaphos | B211435-BLK1 | ND | ug/L | 0.50 | 0.11 | | 1 |
| Demeton O/S | B211435-BLK1 | ND | ug/L | 0.20 | 0.056 | | 1 |
| Diazinon | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Dichlorvos | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Disulfoton | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Ethoprop | B211435-BLK1 | ND | ug/L | 0.20 | 0.052 | | 1 |
| Fensulfothion | B211435-BLK1 | ND | ug/L | 0.20 | 0.051 | | 1 |
| Fenthion | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Merphos | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Methyl parathion | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Mevinphos | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Naled | B211435-BLK1 | ND | ug/L | 0.50 | 0.17 | | 1 |
| Phorate | B211435-BLK1 | ND | ug/L | 0.20 | 0.066 | | 1 |
| Ronnel (Fenchlorphos) | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Stirophos (Tetrachlorvinphos) | B211435-BLK1 | ND | ug/L | 0.20 | 0.082 | | 1 |
| Tokuthion (Prothiofos) | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| Trichloronate | B211435-BLK1 | ND | ug/L | 0.20 | 0.050 | | 1 |
| **Triphenylphosphate (Surrogate)** | **B211435-BLK1** | **87.0** | % | **50 - 130 (LCL - UCL)** | | | 1 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B211435-BLK1 | PB | EPA-8141A | 05/02/25 | 05/12/25 09:24 | HAH | GC-18 | 1 |

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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

# Organo-Phosphorus Pesticide Analysis (EPA Method 8141A)

## Quality Control Report - Laboratory Control Sample

| Constituent | QC Sample ID | Type | Result | Spike Level | Units | Percent Recovery | RPD | Control Limits Percent Recovery | Control Limits RPD | Lab Quals | Run # |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **QC Batch ID: B211435** | | | | | | | | | | | |
| Bolstar | B211435-BS1 | LCS | 1.5150 | 2.0000 | ug/L | 75.8 | | 50 - 130 | | | 1 |
| | B211435-BSD1 | LCSD | 1.5500 | 2.0000 | ug/L | 77.5 | 2.3 | 50 - 130 | 30 | | 2 |
| Chlorpyrifos | B211435-BS1 | LCS | 1.6750 | 2.0000 | ug/L | 83.8 | | 60 - 120 | | | 1 |
| | B211435-BSD1 | LCSD | 1.6150 | 2.0000 | ug/L | 80.8 | 3.6 | 60 - 120 | 30 | | 2 |
| Diazinon | B211435-BS1 | LCS | 1.7400 | 2.0000 | ug/L | 87.0 | | 60 - 130 | | | 1 |
| | B211435-BSD1 | LCSD | 1.6350 | 2.0000 | ug/L | 81.8 | 6.2 | 60 - 130 | 30 | | 2 |
| Methyl parathion | B211435-BS1 | LCS | 1.6800 | 2.0000 | ug/L | 84.0 | | 60 - 120 | | | 1 |
| | B211435-BSD1 | LCSD | 1.6100 | 2.0000 | ug/L | 80.5 | 4.3 | 60 - 120 | 30 | | 2 |
| Mevinphos | B211435-BS1 | LCS | 1.9450 | 2.0000 | ug/L | 97.2 | | 50 - 120 | | | 1 |
| | B211435-BSD1 | LCSD | 1.9300 | 2.0000 | ug/L | 96.5 | 0.8 | 50 - 120 | 30 | | 2 |
| Ronnel (Fenchlorphos) | B211435-BS1 | LCS | 1.8150 | 2.0000 | ug/L | 90.8 | | 50 - 120 | | | 1 |
| | B211435-BSD1 | LCSD | 1.7000 | 2.0000 | ug/L | 85.0 | 6.5 | 50 - 120 | 30 | | 2 |
| Stirophos (Tetrachlorvinphos) | B211435-BS1 | LCS | 1.6500 | 2.0000 | ug/L | 82.5 | | 50 - 120 | | | 1 |
| | B211435-BSD1 | LCSD | 1.6050 | 2.0000 | ug/L | 80.2 | 2.8 | 50 - 120 | 30 | | 2 |
| **Triphenylphosphate (Surrogate)** | **B211435-BS1** | LCS | **4.1300** | **2.5000** | **ug/L** | **165** | | **50 - 130** | | **S09** | 1 |
| | **B211435-BSD1** | LCSD | **4.2500** | **2.5000** | **ug/L** | **170** | **2.9** | **50 - 130** | | **S09** | 2 |

| Run # | QC Sample ID | QC Type | Method | Prep Date | Run Date Time | Analyst | Instrument | Dilution |
|---|---|---|---|---|---|---|---|---|
| 1 | B211435-BS1 | LCS | EPA-8141A | 05/02/25 | 05/12/25 09:54 | HAH | GC-18 | 1 |
| 2 | B211435-BSD1 | LCSD | EPA-8141A | 05/02/25 | 05/12/25 10:24 | HAH | GC-18 | 1 |

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*
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PACE Analytical - PA
1638 Roseytown Road, Ste 2,3 &4
Greensburg, PA 15601

**Reported:** 05/12/2025 16:33
Project: Chiquita Canyon Landfill Stormwater
Project Number: [none]
Project Manager: Nikayla Yasurek

## Notes And Definitions

| | |
|---|---|
| MDL | Method Detection Limit |
| ND | Analyte Not Detected |
| PQL | Practical Quantitation Limit |
| S09 | The surrogate recovery for this compound was not within the control limits. |

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**Laboratory Job Number 531817**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2504M23

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-531817

**Project Location:**
**Project Received:** 04/29/2025

Analytical Report reviewed & approved for release on 05/02/2025 by:

Yen Cao

Yen Cao
Project Manager

***The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current regulatory standards, where applicable, unless otherwise stated in a case narrative.***

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033 ORELAP

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504M23

**Project:** EO-531817

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504M23

**Project:** EO-531817

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

## Analytical Qualifiers

| | |
|---|---|
| a3 | Sample diluted due to high organic content interfering with quantitative/or qualitative analysis. |

## Quality Control Qualifiers

| | |
|---|---|
| F2 | LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria. |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M23 |
| **Date Received:** | 04/29/2025 11:04 | **Extraction Method:** | E8151A |
| **Date Prepared:** | 04/30/2025 | **Analytical Method:** | E8151A |
| **Project:** | EO-531817 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 2504M23-001A | Water | 04/26/2025 09:15 | GC15A 04302518.D | 316393 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 04/30/2025 20:29 |
| Bentazon | ND | 4.1 | 10 | 10 | 04/30/2025 20:29 |
| Chloramben | ND | 3.1 | 10 | 10 | 04/30/2025 20:29 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 04/30/2025 20:29 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 04/30/2025 20:29 |
| Dalapon | ND | 3.9 | 10 | 10 | 04/30/2025 20:29 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 04/30/2025 20:29 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 04/30/2025 20:29 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 04/30/2025 20:29 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 04/30/2025 20:29 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 04/30/2025 20:29 |
| MCPA | ND | 14 | 20 | 10 | 04/30/2025 20:29 |
| MCPP | ND | 7.7 | 20 | 10 | 04/30/2025 20:29 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 04/30/2025 20:29 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 04/30/2025 20:29 |
| Picloram | ND | 3.5 | 10 | 10 | 04/30/2025 20:29 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 04/30/2025 20:29 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 04/30/2025 20:29 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 83 | 60-140 | 04/30/2025 20:29 |

Analyst(s): DP  Analytical Comments: a3

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M23 |
| **Date Received:** | 04/29/2025 11:04 | **Extraction Method:** | E8151A |
| **Date Prepared:** | 04/30/2025 | **Analytical Method:** | E8151A |
| **Project:** | EO-531817 | **Unit:** | µg/L |

## Chlorinated Herbicides by GC-ECD

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN EAST INLET | 2504M23-002A | Water | 04/26/2025 09:45 | GC15A 04302519.D | 316393 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Acifluorfen | ND | 2.6 | 10 | 10 | 04/30/2025 20:54 |
| Bentazon | ND | 4.1 | 10 | 10 | 04/30/2025 20:54 |
| Chloramben | ND | 3.1 | 10 | 10 | 04/30/2025 20:54 |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.59 | 2.0 | 10 | 04/30/2025 20:54 |
| 2,4-DB | ND | 2.1 | 10 | 10 | 04/30/2025 20:54 |
| Dalapon | ND | 3.9 | 10 | 10 | 04/30/2025 20:54 |
| DCPA (mono & diacid) | ND | 1.4 | 10 | 10 | 04/30/2025 20:54 |
| Dicamba | ND | 0.59 | 2.0 | 10 | 04/30/2025 20:54 |
| 3,5-Dichlorobenzoic Acid | ND | 1.9 | 10 | 10 | 04/30/2025 20:54 |
| Dichloroprop | ND | 1.8 | 10 | 10 | 04/30/2025 20:54 |
| Dinoseb (DNBP) | ND | 1.8 | 10 | 10 | 04/30/2025 20:54 |
| MCPA | ND | 14 | 20 | 10 | 04/30/2025 20:54 |
| MCPP | ND | 7.7 | 20 | 10 | 04/30/2025 20:54 |
| 4-Nitrophenol | ND | 5.0 | 10 | 10 | 04/30/2025 20:54 |
| Pentachlorophenol (PCP) | ND | 0.55 | 2.0 | 10 | 04/30/2025 20:54 |
| Picloram | ND | 3.5 | 10 | 10 | 04/30/2025 20:54 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.56 | 2.0 | 10 | 04/30/2025 20:54 |
| 2,4,5-TP (Silvex) | ND | 1.4 | 5.0 | 10 | 04/30/2025 20:54 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| DCAA | 97 | 60-140 | 04/30/2025 20:54 |

Analyst(s): DP  Analytical Comments: a3

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M23 |
| **Date Prepared:** | 04/30/2025 | **BatchID:** | 316393 |
| **Date Analyzed:** | 04/30/2025 | **Extraction Method:** | E8151A |
| **Instrument:** | GC15A | **Analytical Method:** | E8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-531817 | **Sample ID:** | MB/LCS/LCSD-316393 |

## QC Summary Report for E8151A

| Analyte | MB Result | MDL | RL | SPK Val | MB IS/SS %REC | MB IS/SS Limits |
|---|---|---|---|---|---|---|
| Acifluorfen | ND | 0.26 | 1.0 | - | - | - |
| Bentazon | ND | 0.41 | 1.0 | - | - | - |
| Chloramben | ND | 0.31 | 1.0 | - | - | - |
| 2,4-D (Dichlorophenoxyacetic acid) | ND | 0.059 | 0.20 | - | - | - |
| 2,4-DB | ND | 0.21 | 1.0 | - | - | - |
| Dalapon | ND | 0.39 | 1.0 | - | - | - |
| DCPA (mono & diacid) | ND | 0.14 | 1.0 | - | - | - |
| Dicamba | ND | 0.059 | 0.20 | - | - | - |
| 3,5-Dichlorobenzoic Acid | ND | 0.19 | 1.0 | - | - | - |
| Dichloroprop | ND | 0.18 | 1.0 | - | - | - |
| Dinoseb (DNBP) | ND | 0.18 | 1.0 | - | - | - |
| MCPA | ND | 1.4 | 2.0 | - | - | - |
| MCPP | ND | 0.77 | 2.0 | - | - | - |
| 4-Nitrophenol | ND | 0.50 | 1.0 | - | - | - |
| Pentachlorophenol (PCP) | ND | 0.055 | 0.20 | - | - | - |
| Picloram | ND | 0.35 | 1.0 | - | - | - |
| 2,4,5-T (Trichlorophenoxy acetic acid) | ND | 0.056 | 0.20 | - | - | - |
| 2,4,5-TP (Silvex) | ND | 0.14 | 0.50 | - | - | - |
| **Surrogate Recovery** | | | | | | |
| DCAA | 11 | | | 10 | 107 | 70-130 |

*(Cont.)*

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M23 |
| **Date Prepared:** | 04/30/2025 | **BatchID:** | 316393 |
| **Date Analyzed:** | 04/30/2025 | **Extraction Method:** | E8151A |
| **Instrument:** | GC15A | **Analytical Method:** | E8151A |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-531817 | **Sample ID:** | MB/LCS/LCSD-316393 |

## QC Summary Report for E8151A

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Acifluorfen | 10 | 11 | 10 | 104 | 107 | 70-130 | 2.55 | 30 |
| Bentazon | 10 | 11 | 10 | 105 | 110 | 70-130 | 4.54 | 30 |
| Chloramben | 10 | 10 | 10 | 100 | 104 | 70-130 | 3.39 | 30 |
| 2,4-D (Dichlorophenoxyacetic acid) | 9.4 | 10 | 10 | 94 | 101 | 70-130 | 7.24 | 30 |
| 2,4-DB | 11 | 11 | 10 | 107 | 114 | 70-130 | 6.62 | 30 |
| Dalapon | 10 | 12 | 10 | 105 | 119 | 70-130 | 12.5 | 30 |
| DCPA (mono & diacid) | 10 | 11 | 10 | 103 | 108 | 70-130 | 4.32 | 30 |
| Dicamba | 9.9 | 11 | 10 | 99 | 109 | 70-130 | 8.99 | 30 |
| 3,5-Dichlorobenzoic Acid | 9.6 | 11 | 10 | 96 | 108 | 70-130 | 11.5 | 30 |
| Dichloroprop | 10 | 11 | 10 | 105 | 110 | 70-130 | 4.94 | 30 |
| Dinoseb (DNBP) | 9.8 | 10 | 10 | 98 | 100 | 70-130 | 2.46 | 30 |
| MCPA | 83 | 93 | 100 | 83 | 93 | 70-130 | 11.5 | 30 |
| MCPP | 86 | 100 | 100 | 86 | 100 | 70-130 | 14.4 | 30 |
| 4-Nitrophenol | 14 | 15 | 10 | 138,F2 | 150,F2 | 70-130 | 8.53 | 30 |
| Pentachlorophenol (PCP) | 9.9 | 11 | 10 | 99 | 106 | 70-130 | 7.21 | 30 |
| Picloram | 12 | 12 | 10 | 118 | 118 | 70-130 | 0.407 | 30 |
| 2,4,5-T (Trichlorophenoxy acetic acid) | 11 | 11 | 10 | 108 | 113 | 70-130 | 4.53 | 30 |
| 2,4,5-TP (Silvex) | 10 | 11 | 10 | 101 | 107 | 70-130 | 5.83 | 30 |
| **Surrogate Recovery** | | | | | | | | |
| DCAA | 10 | 11 | 10 | 101 | 110 | 70-130 | 8.76 | 30 |

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Pittsburg, CA 94565-1701
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2504M23** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531817

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 3 days;**

*Date Received:* **04/29/2025**
*Date Logged:* **04/29/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2504M23-001 | SOUTH BASIN WEST INLET | Water | 4/26/2025 09:15 | ☐ | A | A | | | | | | | | | | |
| 2504M23-002 | SOUTH BASIN EAST INLET | Water | 4/26/2025 09:45 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 8151_W | 2 | PRDisposal Fee | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by: Carolina Garcia**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL **Project:** EO-531817 **Work Order:** 2504M23
**Client Contact:** Zach Barker **QC Level:** LEVEL 2
**Contact's Email:** zach.barker@enthalpy.com **Comments:** **Date Logged:** 4/29/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH BASIN WEST INLET | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 4/26/2025 9:15 | 3 days | 5/2/2025 | Present | ☐ | ☐ |
| 002A | SOUTH BASIN EAST INLET | Water | SW8151A (Chlorinated Herbicides) | 1 | 1LA Narrow Mouth, Unpres | ☐ | ☐ | ☐ | 4/26/2025 9:45 | 3 days | 5/2/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2504 M23

ENTHALPY
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-531817
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 26-APR-2025 09:15 | 531817-001 | 1 | Water | EPA 8151A Chlorinated Herbicides | |
| SOUTH BASIN EAST INLET | 26-APR-2025 09:45 | 531817-002 | 1 | Water | EPA 8151A Chlorinated Herbicides | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | J. Christyson EA-ORA | Carlumpio |
| | Date: 04/28/25 1430 | Date: 4/29/25 1104 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

GIS: 562943407

2-7 wet IR45

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# Sample Receipt Checklist

| | | | |
|---|---|---|---|
| Client Name: | Enthalpy Analytical | Date and Time Received: | 4/29/2025 11:04 |
| Project: | EO-531817 | Date Logged: | 4/29/2025 |
| | | Received by: | Carolina Garcia |
| WorkOrder №: | 2504M23 Matrix: | Logged by: | Carolina Garcia |
| Carrier: | Golden State Overnight | | |

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☑ | No ☐ | NA ☐ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | NA ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | NA ☑ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 2.7°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☐ | No ☐ | NA ☑ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2)? | Yes ☐ | No ☐ | NA ☑ |

UCMR Samples:

| | | | |
|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:

**Laboratory Job Number 531817**

**Subcontracted Products**

**Enthalpy - El Dorado Hills**

May 11, 2025

**Enthalpy Analytical - El Dorado Hills**
**Work Order No. 2504330**

Mr. Zach Barker
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

Dear Mr. Barker,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on April 29, 2025 under your Project Name 'EO-531817'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Byron Clack

Byron Clack For Mark Rein
Project Manager

*Enthalpy Analytical -EDH certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Enthalpy Analytical -EDH .*

**Enthalpy Analytical - EDH Work Order No. 2504330**
**Case Narrative**

**Sample Condition on Receipt:**

Two water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

**Analytical Notes:**

**EPA Method 8290A**

The sample was extracted and analyzed for 2,3,7,8-tetra chlorinated dioxins by EPA Method 8290A using a ZB-DIOXIN GC column.

Holding Times

The method holding time criteria were met for these samples.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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# Sample Inventory Report

| Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 2504330-01 | SOUTH BASIN WEST INLET | 26-Apr-25 09:15 | 29-Apr-25 11:15 | Amber Glass NM Bottle, 1L |
| 2504330-02 | SOUTH BASIN EAST INLET | 26-Apr-25 09:45 | 29-Apr-25 11:15 | Amber Glass NM Bottle, 1L |

**ANALYTICAL RESULTS**

**Sample ID: Method Blank** **EPA Method 8290A**

**Client Data**
Name: Enthalpy Analytical
Project: EO-531817
Matrix: Aqueous

**Laboratory Data**
Lab Sample: B25E065-BLK1
QC Batch: B25E065 Date Extracted: 06-May-25
Sample Size: 1.00 L Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.78 | 5.00 | | 07-May-25 22:16 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 87.7 | 40 - 135 | | 07-May-25 22:16 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 92.5 | 40 - 135 | | 07-May-25 22:16 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

**Sample ID: OPR** **EPA Method 8290A**

**Client Data**
Name: Enthalpy Analytical
Project: EO-531817
Matrix: Aqueous

**Laboratory Data**
Lab Sample: B25E065-BS1
QC Batch: B25E065 Date Extracted: 06-May-25 03:50
Sample Size: 1.00 L Column: ZB-DIOXIN

| Analyte | Amt Found (pg/L) | Spike Amt | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | 176 | 200 | 88.0 | 70-130 | | 07-May-25 19:56 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 103 | 40-135 | | 07-May-25 19:56 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 110 | 40-135 | | 07-May-25 19:56 | 1 |

**Sample ID: SOUTH BASIN WEST INLET** **EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-531817
Matrix: Water
Date Collected: 26-Apr-25 09:15

**Laboratory Data**

Lab Sample: 2504330-01
QC Batch: B25E065
Sample Size: 1.03 L
Date Received: 29-Apr-25 11:15
Date Extracted: 06-May-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.73 | 4.86 | | 07-May-25 23:03 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 88.2 | 40 - 135 | | 07-May-25 23:03 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 97.1 | 40 - 135 | | 07-May-25 23:03 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

**Sample ID: SOUTH BASIN EAST INLET** **EPA Method 8290A**

**Client Data**

Name: Enthalpy Analytical
Project: EO-531817
Matrix: Water
Date Collected: 26-Apr-25 09:45

**Laboratory Data**

Lab Sample: 2504330-02
QC Batch: B25E065
Sample Size: 1.02 L
Date Received: 29-Apr-25 11:15
Date Extracted: 06-May-25
Column: ZB-DIOXIN

| Analyte | Conc. (pg/L) | MDL | RL | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 1.75 | 4.92 | | 07-May-25 23:50 | 1 |

| Labeled Standards | Type | % Recovery | Limits | Qualifiers | Analyzed | Dilution |
|---|---|---|---|---|---|---|
| 13C-2,3,7,8-TCDD | IS | 88.8 | 40 - 135 | | 07-May-25 23:50 | 1 |
| 37Cl-2,3,7,8-TCDD | CRS | 97.4 | 40 - 135 | | 07-May-25 23:50 | 1 |

MDL - Method Detection Limit
RL - Reporting limit

Results reported to MDL.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| B | This compound was also detected in the method blank |
| Conc. | Concentration |
| CRS | Cleanup Recovery Standard |
| D | Dilution |
| DL | Detection Limit |
| E | The associated compound concentration exceeded the calibration range of the instrument |
| EDL | Estimated Detection Limit |
| EMPC | Estimated Maximum Possible Concentration |
| H | Recovery and/or RPD was outside laboratory acceptance limits |
| I | Chemical Interference |
| IS | Internal Standard |
| J | The amount detected is below the Reporting Limit/LOQ |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| MDL | Method Detection Limit |
| NA | Not applicable |
| ND | Not Detected |
| OPR | Ongoing Precision and Recovery sample |
| P | The reported concentration may include contribution from chlorinated diphenyl ether(s). |
| Q | The ion transition ratio is outside of the acceptance criteria. |
| RL | Reporting Limit |
| RL | For 537.1, the reported RLs are the MRLs. |
| TEQ | Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations. |
| TEQMax | TEQ calculation that uses the detection limit as the concentration for non-detects |
| TEQMin | TEQ calculation that uses zero as the concentration for non-detects |
| TEQRisk | TEQ calculation that uses ½ the detection limit as the concentration for non-detects |
| U | Not Detected (specific projects only) |
| * | See Cover Letter |

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

**Enthalpy Analytical - EDH Certifications**

| Accrediting Authority | Certificate Number |
|---|---|
| Alaska Department of Environmental Conservation | 17-013 |
| Arkansas Department of Environmental Quality | 21-023-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025 | 3091.01 |
| Florida Department of Health | E87777 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2020018 |
| Michigan Department of Environmental Quality | 9932 |
| Minnesota Department of Health | 2211390 |
| Nevada Division of Environmental Protection | CA00413 |
| New Hampshire Environmental Accreditation Program | 207721 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Ohio Environmental Protection Agency | 87778 |
| Oregon Laboratory Accreditation Program | 4042-021 |
| Texas Commission on Environmental Quality | T104704189-22-13 |
| Vermont Department of Health | VT-4042 |
| Virginia Department of General Services | 11276 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.*

ENTHALPY
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

2504330 1.9°C

Subcontract Laboratory:
Enthalpy - El Dorado Hills
1104 Windfield Way
El Dorado Hills, CA 95762
ATTN: Mark Rein
PO #: Required, to be sent via email

Enthalpy Order: EO-531817
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: BLDR:Enthalpy (the normal EDD you send to Orange)

Notes:
Chiquita Canyon Landfill

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 26-APR-2025 09:15 | 531817-001 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |
| SOUTH BASIN EAST INLET | 26-APR-2025 09:45 | 531817-002 | 1 | Water | EPA 8290 - 2,3,7,8-TCDD Only | |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | Anna Bolcat EA-Ora | Kelia Wadsworth Kelia Wadsworth |
| | Date: 4/28/25 14:30 | Date: 04/29/25 1115 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

# CoC/Label Reconciliation Report WO# 2504330

| LabNumber | CoC Sample ID | | SampleAlias | Sample Date/Time | | Container | BaseMatrix | Sample Comments |
|---|---|---|---|---|---|---|---|---|
| 2504330-01 | A SOUTH BASIN WEST INLET | ☑ ② | 531817-001 | 26-Apr-25 09:15 | ☑ | Amber Glass NM Bottle, 1L | Aqueous | |
| 2504330-02 | A SOUTH BASIN EAST INLET | ☑ | 531817-002 | 26-Apr-25 09:45 | ☑ | Amber Glass NM Bottle, 1L | Aqueous | |

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

| CONDITION | Yes | No | NA |
|---|---|---|---|
| Sample Container Intact? | ✓ | | |
| Sample Container(s) Custody Seals Intact? | | | ✓ |
| Custody Seals On Cooler Intact? | | | ✓ |
| Adequate Sample Volume? | ✓ | | |
| Container Type Appropriate for Analysis(es)? | ✓ | | |

Comments: ② no backup volume

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: MMS 04/29/25
KBB 04/29/25

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 531819
Report Level : II
Report Date : 05/09/2025

**Analytical Report** *prepared for:*

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Project: SW - MPARS - SW - MPARS

*Authorized for release by:*

Zach Barker, Project Manager
zach.barker@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

# Sample Summary

| | | | |
|---|---|---|---|
| Kate Logan<br>Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384 | | Lab Job #:<br>Project No:<br>Location:<br>Date Received: | 531819<br>SW - MPARS<br>SW - MPARS<br>04/26/25 |

| Sample ID | Lab ID | Collected | Matrix |
|---|---|---|---|
| SOUTH BASIN WEST INLET | 531819-001 | 04/26/25 09:15 | Water |
| SOUTH BASIN EAST INLET | 531819-002 | 04/26/25 09:45 | Water |
| TRIP BLANK | 531819-003 | 04/26/25 00:00 | Water |

# Case Narrative

| | |
|---|---|
| Waste Connections<br>Chiquita Canyon Landfill<br>29201 Henry Mayo Drive<br>Castaic, CA 91384<br>Kate Logan | Lab Job Number: 531819<br>Project No: SW - MPARS<br>Location: SW - MPARS<br>Date Received: 04/26/25 |

This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/26/25. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

- Low recoveries were observed for a number of analytes in the MS/MSD for batch 370234; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

**Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):**
No analytical problems were encountered.

**Total Organic Carbon by IR (SM 5310B):**
No analytical problems were encountered.

**Metals (EPA 200.7 and EPA 200.8):**

- High recoveries were observed for boron in the MS/MSD for batch 369931; the parent sample was not a project sample, and the LCS was within limits. High RPD was also observed for boron.
- No other analytical problems were encountered.

**Ion Chromatography (EPA 300.0):**
No analytical problems were encountered.

**Conductivity (SM2510B):**
No analytical problems were encountered.

**Alkalinity (SM2320B):**
No analytical problems were encountered.

**Sulfide (SM 4500-S2-D):**
No analytical problems were encountered.

**Total Dissolved Solids (TDS) (SM2540C):**
No analytical problems were encountered.

**Chemical Oxygen Demand (SM5220D):**
No analytical problems were encountered.

**Turbidity (SM2130B):**
No analytical problems were encountered.

**RSK-175 CO2 (RSK-175):**
McCampbell Analytical, Inc. in Pittsburg, CA performed the analysis (see sublab report section for certifications). Please see the McCampbell Analytical, Inc. case narrative.

# ENTHALPY ANALYTICAL

## Chain of Custody Record

Lab No: 531819

Page: 3 of 4

**Turn Around Time (rush by advanced notice onl**

| Standard: | | 5 Day: | | 3 Day: | |
|---|---|---|---|---|---|
| 2 Day: | | 1 Day: | | Custom TAT: | |


**Enthalpy Analytical - Orange**

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900


**Matrix:** A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = $HNO_3$ 4 = $H_2SO_4$ 5 = NaOH 6 = Other

**Sample Receipt** (lab use only)

| CUSTOMER INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Company: | CHIQUITA CANYON LANDFILL | LIMS Account: | **CTEH-CHIQUITA** |
| Report To: | KATE LOGAN | **LIMS Proj. Name:** | WC CHIQUITACANYON LF |
| Email: | Kate.Logan@Waste.Connections.com | Project #: | Proj-037507 |
| Address: | 29201 Henry Mayo Dr | P.O. #: | PO-4050-24-00351 |
| | Castic, Ca 91384 | Address: | 29201 Henry Mayo Dr., Castaic, CA |
| Phone: | 682-559-3880 | Global ID: | |
| Fax: | | **Sampled By:** | CH ST |

**Analysis Request**

**Test Instructions / Commen**

MPARS

Email report to:

East 6.79
4.6C

West 7.63
4.6C

| | Sample ID | Sampling Date | Sampling Time | Matrix | Container No. / Size | Pres. | TOTAL METALS | 8260 + APPENDIX II | 300.0 NO3,BROMINE, FLURIDE, SO4 | TOC | COD | 8270 SIM 1 4-DIONANE | SLK, BICARB, TDS | SULFIDE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOUTH BASIN WEST INLET | 04/26/25 | 0915 | W | 12 | 6,2,4,1 | X | X | X | X | X | X | X | X | | |
| 2 | SOUTH BASIN EAST INLET | 04/26/25 | 0945 | W | 12 | 6,2,4,1 | X | X | X | X | X | X | X | X | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

Login 531819

| | Signature | Print Name | Company / Title | Date / Time |
|---|---|---|---|---|
| [1] Relinquished By: | | Caleb Hercyle | CTEH | 4/26/2025 1355 |
| [1] Received By: | | JELBERT QUITEVA | EA-ORA | 04/26/25 1355 |
| [2] Relinquished By: | | | | |
| [2] Received By: | | | | |
| [3] Relinquished By: | | | | |
| [3] Received By: | | | | |

# SAMPLE RECEIPT CHECKLIST

**Section 1: General Info**

Date Received: 04/26/25 WO# 531819 Client: WASTE CONNECTIONS

**Section 2: Shipping / Custody** **Are custody seals present?** ☒ Yes ☐ No

Custody seals intact on arrival? ☐ N/A ■ Yes ☐ No ☐ On cooler / box ■ On samples

☐ Courier ■ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

**Section 3a: Condition / Packaging** ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 04/26/25 By (initials) JRQ Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR13 CF: 0.0

Cooler Temp (°C) #1: 9.1 / 9.1 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____

**Section 3b: Microbiology Samples** ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

**Section 3c: Air Samples** ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other_____

| **Section 4: Containers / Labels / Samples** | YES | NO | N/A |
|---|---|---|---|
| 1) Were custody papers present, filled properly, and legible? | X | | |
| 2) Is the sampler's name present on the CoC? | X | | |
| 3) Were containers received in good condition (unbroken / unopened / uncompromised)? | X | | |
| 4) Were the samples bagged? (required for microbiology samples; recommended for soil samples) | X | | |
| 5) Were all of, and only, the correct samples received? | X | | |
| 6) Are sample labels present, legible, and in agreement with the CoC? | X | | |
| 7) Does the container count match the CoC? | | X | |
| 8) Was sufficient sample volume / mass received for the analyses requested? | X | | |
| 9) Were samples received in proper containers for the analyses requested? | X | | |
| 10) Were samples received with > 1/2 holding time remaining? | X | | |
| 11) Are samples properly preserved as indicated by CoC / labels? | X | | |
| 12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS? | X | | |
| 13) Are VOA vials free from headspace/bubbles > 6mm? | | X | |

**Section 5: Explanations / Comments**

(If no comments are made, then no discrepancies noted.)

NOT INDICATED ON COC

4.7) 1x HCL PRES. VOA VIAL TRIP BLANK RECEIVED - LOGGED AS SAMPLE 003

4.13) SAMPLE 002 - 1 OF 3 HCL PRES. VOA VIALS W/ HEADSPACE > 6MM
SAMPLE 003 - 1 OF 1 HCL PRES. VOA VIAL W/ HEADSPACE > 6MM

☐ **No additional discrepancies**

**Date Logged** 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

**Date Labeled** 04/26/25 **By (print)** JELBERT R QUITUGUA **(sign)** J. Quitugua

ENTHALPY ANALYTICAL

# Analysis Results for 531819

Kate Logan
Waste Connections
Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384

Lab Job #: 531819
Project No: SW - MPARS
Location: SW - MPARS
Date Received: 04/26/25

**Sample ID:** SOUTH BASIN WEST INLET | **Lab ID:** 531819-001 | **Matrix:** Water | **Collected:** 04/26/25 09:15

| 531819-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **52** | | mg/L | 0.57 | 0.57 | 1 | 369903 | 04/28/25 | 04/29/25 | SBW |
| Magnesium | **12** | | mg/L | 0.10 | 0.025 | 1 | 369903 | 04/28/25 | 04/29/25 | SBW |
| Potassium | **14** | | mg/L | 0.50 | 0.40 | 1 | 369903 | 04/28/25 | 04/29/25 | SBW |
| Sodium | **29** | | mg/L | 0.50 | 0.35 | 1 | 369903 | 04/28/25 | 04/29/25 | SBW |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **89** | | ug/L | 50 | 28 | 5 | 369931 | 04/28/25 | 04/30/25 | KAM |
| Manganese | **400** | | ug/L | 100 | 43 | 10 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.23** | | mg/L | 0.20 | 0.034 | 1 | 370505 | 05/05/25 18:00 | 05/06/25 00:10 | SSN |
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 1 | 369831 | 04/26/25 18:00 | 04/26/25 19:57 | SSN |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 1 | 370505 | 05/05/25 18:00 | 05/06/25 00:10 | SSN |
| Nitrogen, Nitrate | **0.63** | | mg/L | 0.10 | 0.05 | 1 | 369831 | 04/26/25 18:00 | 04/26/25 19:57 | SSN |
| Sulfate | **28** | | mg/L | 1.0 | 0.18 | 1 | 370505 | 05/05/25 18:00 | 05/06/25 00:10 | SSN |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Acetone | **32** | J | ug/L | 100 | 17 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 2-Butanone | **4.0** | J | ug/L | 100 | 2.0 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531819

| 531819-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| para-Isopropyl Toluene | **0.1** | J | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 101% | | %REC | 70-130 | | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dichloroethane-d4 | 122% | | %REC | 70-130 | | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Toluene-d8 | 94% | | %REC | 70-130 | | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromofluorobenzene | 96% | | %REC | 70-130 | | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |

Method: EPA 8270C-SIM
Prep Method: EPA 3535



Results for any subcontracted analyses are not included in this section.

# Analysis Results for 531819

| 531819-001 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 5.0 | 4.8 | 5 | 370011 | 04/29/25 | 04/30/25 | ZFA |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 96% | | %REC | 80-120 | | 5 | 370011 | 04/29/25 | 04/30/25 | ZFA |
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 370312 | 05/02/25 | 05/02/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **190** | | mg/L | 4.0 | 2.7 | 4 | 369964 | 04/29/25 | 04/29/25 | CKN |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **1,400** | | NTU | 0.20 | 0.12 | 1 | 369829 | 04/26/25 15:39 | 04/26/25 15:39 | WWC |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **120** | | mg/L | 8.0 | | 3.3 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Alkalinity, Total as CaCO3 | **99** | | mg/L | 6.7 | | 3.3 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **1,490** | | umhos/cm | 1.0 | | 1 | 370152 | 04/30/25 | 04/30/25 | RDL |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **400** | | mg/L | 20 | | 2 | 369929 | 04/28/25 | 04/29/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **400** | | mg/L | 4.0 | 2.0 | 1 | 370441 | 05/04/25 | 05/04/25 | TDD |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531819

| Sample ID: | Lab ID: 531819-002 | Collected: 04/26/25 09:45 |
|---|---|---|
| SOUTH BASIN EAST INLET | Matrix: Water | |

| 531819-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: EPA 200.7<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Calcium | **360** | | mg/L | 0.57 | 0.57 | 1 | 369903 | 04/28/25 | 04/29/25 | SBW |
| Magnesium | **66** | | mg/L | 0.10 | 0.025 | 1 | 369903 | 04/28/25 | 04/29/25 | SBW |
| Potassium | **29** | | mg/L | 0.50 | 0.40 | 1 | 369903 | 04/28/25 | 04/29/25 | SBW |
| Sodium | **130** | | mg/L | 0.50 | 0.35 | 1 | 369903 | 04/28/25 | 04/29/25 | SBW |
| Method: EPA 200.8<br>Prep Method: EPA 3015A | | | | | | | | | | |
| Boron | **280** | | ug/L | 100 | 56 | 10 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Manganese | **2,000** | | ug/L | 100 | 43 | 10 | 369931 | 04/28/25 | 04/29/25 | KAM |
| Method: EPA 300.0<br>Prep Method: METHOD | | | | | | | | | | |
| Fluoride | **0.24** | | mg/L | 0.20 | 0.034 | 1 | 370505 | 05/05/25 18:00 | 05/06/25 00:30 | SSN |
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 1 | 369831 | 04/26/25 18:00 | 04/26/25 18:50 | SSN |
| Bromide | **0.29** | J | mg/L | 0.30 | 0.060 | 1 | 370505 | 05/05/25 18:00 | 05/06/25 00:30 | SSN |
| Nitrogen, Nitrate | **2.1** | | mg/L | 0.10 | 0.05 | 1 | 369831 | 04/26/25 18:00 | 04/26/25 18:50 | SSN |
| Sulfate | **730** | | mg/L | 10 | 1.8 | 10 | 369831 | 04/26/25 18:00 | 04/26/25 19:40 | SSN |
| Method: EPA 8260B<br>Prep Method: EPA 5030B | | | | | | | | | | |
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Acetone | **21** | J | ug/L | 100 | 17 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 2-Butanone | **3.8** | J | ug/L | 100 | 2.0 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531819

| 531819-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-Pentanone | **1.5** | J | ug/L | 5.0 | 1.4 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Xylene (total) | ND | | ug/L | 5.0 | | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| **Surrogates** | | | | **Limits** | | | | | | |
| Dibromofluoromethane | 102% | | %REC | 70-130 | | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| 1,2-Dichloroethane-d4 | 122% | | %REC | 70-130 | | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Toluene-d8 | 93% | | %REC | 70-130 | | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 1 | 370234 | 05/01/25 | 05/01/25 | ZST |
| Method: EPA 8270C-SIM<br>Prep Method: EPA 3535 | | | | | | | | | | |
| 1,4-Dioxane | ND | | ug/L | 25 | 24 | 25 | 370011 | 04/29/25 | 04/30/25 | XLY |
| **Surrogates** | | | | **Limits** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 25 | 370011 | 04/29/25 | 04/30/25 | XLY |



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Analysis Results for 531819

| 531819-002 Analyte | Result | Qual | Units | RL | MDL | DF | Batch | Prepared | Analyzed | Chemist |
|---|---|---|---|---|---|---|---|---|---|---|
| Method: SM 4500-S2-D<br>Prep Method: METHOD | | | | | | | | | | |
| Sulfide | ND | | mg/L | 0.10 | | 1 | 370312 | 05/02/25 | 05/02/25 | DXA |
| Method: SM 5310B<br>Prep Method: SM 5310B | | | | | | | | | | |
| Total Organic Carbon | **15** | | mg/L | 2.0 | 1.4 | 2 | 369964 | 04/29/25 | 04/29/25 | CKN |
| Method: SM2130B | | | | | | | | | | |
| Turbidity | **33,000** | | NTU | 10 | 6.2 | 50 | 369829 | 04/26/25 15:39 | 04/26/25 15:39 | WWC |
| Method: SM2320B<br>Prep Method: METHOD | | | | | | | | | | |
| Bicarbonate | **88** | | mg/L | 4.8 | | 2 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Alkalinity, Total as CaCO3 | **86** | | mg/L | 4.0 | | 2 | 369916 | 04/28/25 | 04/28/25 | WWC |
| Method: SM2510B<br>Prep Method: METHOD | | | | | | | | | | |
| Specific Conductance | **1,470** | | umhos/cm | 1.0 | | 1 | 369920 | 04/28/25 | 04/28/25 | RDL |
| Method: SM2540C<br>Prep Method: METHOD | | | | | | | | | | |
| Total Dissolved Solids | **1,100** | | mg/L | 20 | | 2 | 369909 | 04/28/25 | 04/29/25 | RDL |
| Method: SM5220D<br>Prep Method: METHOD | | | | | | | | | | |
| Chemical Oxygen Demand | **2,200** | | mg/L | 20 | 9.8 | 5 | 370441 | 05/04/25 | 05/04/25 | TDD |

J Estimated value
ND Not Detected



Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1252528 | Batch: 369903 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252528 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Calcium | ND | | mg/L | 0.57 | 0.57 | 04/28/25 | 04/29/25 |
| Magnesium | ND | | mg/L | 0.10 | 0.025 | 04/28/25 | 04/29/25 |
| Potassium | ND | | mg/L | 0.50 | 0.40 | 04/28/25 | 04/29/25 |
| Sodium | ND | | mg/L | 0.50 | 0.35 | 04/28/25 | 04/29/25 |

| Type: Lab Control Sample | Lab ID: QC1252529 | Batch: 369903 |
|---|---|---|
| Matrix: Water | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252529 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Calcium | 19.86 | 20.40 | mg/L | 97% | | 85-115 |
| Magnesium | 19.63 | 20.40 | mg/L | 96% | | 85-115 |
| Potassium | 22.48 | 24.00 | mg/L | 94% | | 85-115 |
| Sodium | 19.38 | 20.40 | mg/L | 95% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1252530 | Batch: 369903 |
|---|---|---|
| Matrix (Source ID): Water (531753-003) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252530 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Calcium | 67.59 | 47.70 | 20.40 | mg/L | 97% | | 75-125 | 1 |
| Magnesium | 54.29 | 34.45 | 20.40 | mg/L | 97% | | 75-125 | 1 |
| Potassium | 28.51 | 5.246 | 24.00 | mg/L | 97% | | 75-125 | 1 |
| Sodium | 72.68 | 53.48 | 20.40 | mg/L | 94% | | 75-125 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1252531 | Batch: 369903 |
|---|---|---|
| Matrix (Source ID): Water (531753-003) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252531 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | 67.80 | 47.70 | 20.40 | mg/L | 99% | | 75-125 | 0 | 20 | 1 |
| Magnesium | 54.68 | 34.45 | 20.40 | mg/L | 99% | | 75-125 | 1 | 20 | 1 |
| Potassium | 28.49 | 5.246 | 24.00 | mg/L | 97% | | 75-125 | 0 | 20 | 1 |
| Sodium | 73.01 | 53.48 | 20.40 | mg/L | 96% | | 75-125 | 0 | 20 | 1 |

| Type: Serial Dilution | Lab ID: QC1252873 | Batch: 369903 |
|---|---|---|
| Matrix (Source ID): Water (531666-001) | Method: EPA 200.7 | Prep Method: EPA 3015A |

| QC1252873 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Calcium | 176.7 | 174.6 | mg/L | | | | 5 |
| Magnesium | 30.66 | 29.93 | mg/L | | | | 5 |
| Potassium | 6.879 | 7.248 | mg/L | | | | 5 |
| Sodium | 83.73 | 83.55 | mg/L | | | | 5 |

ENTHALPY ANALYTICAL

# Batch QC

| Type: Blank | Lab ID: QC1252604 | Batch: 369931 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1252604 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Boron | ND | | ug/L | 10 | 5.6 | 04/28/25 | 04/28/25 |
| Manganese | ND | | ug/L | 10 | 4.3 | 04/28/25 | 04/28/25 |

| Type: Lab Control Sample | Lab ID: QC1252605 | Batch: 369931 |
|---|---|---|
| Matrix: Water | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1252605 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Boron | 93.34 | 100.0 | ug/L | 93% | | 85-115 |
| Manganese | 99.71 | 100.0 | ug/L | 100% | | 85-115 |

| Type: Matrix Spike | Lab ID: QC1252606 | Batch: 369931 |
|---|---|---|
| Matrix (Source ID): Water (531729-001) | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1252606 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 5,631 | 5625 | 100.0 | ug/L | 5% | E,NM | 70-130 | 25 |
| Manganese | 2,570 | 2412 | 100.0 | ug/L | 159% | E,NM | 70-130 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1252607 | Batch: 369931 |
|---|---|---|
| Matrix (Source ID): Water (531729-001) | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1252607 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 5,801 | 5625 | 100.0 | ug/L | 176% | E,NM | 70-130 | | 20 | 25 |
| Manganese | 2,668 | 2412 | 100.0 | ug/L | 256% | E,NM | 70-130 | | 20 | 1 |

| Type: Matrix Spike | Lab ID: QC1252608 | Batch: 369931 |
|---|---|---|
| Matrix (Source ID): Water (531776-001) | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1252608 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Boron | 333.7 | 63.97 | 100.0 | ug/L | 270% | * | 70-130 | 25 |
| Manganese | 95.57 | ND | 100.0 | ug/L | 96% | | 70-130 | 1 |

| Type: Matrix Spike Duplicate | Lab ID: QC1252609 | Batch: 369931 |
|---|---|---|
| Matrix (Source ID): Water (531776-001) | Method: EPA 200.8 | Prep Method: EPA 3015A |

| QC1252609 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Boron | 206.6 | 63.97 | 100.0 | ug/L | 143% | * | 70-130 | 47* | 20 | 25 |
| Manganese | 93.84 | ND | 100.0 | ug/L | 94% | | 70-130 | 2 | 20 | 1 |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1252247** | **Batch:** | **369831** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1252247 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | ND | | mg/L | 0.10 | 0.02 | 04/26/25 18:00 | 04/26/25 18:16 |
| Nitrogen, Nitrate | ND | | mg/L | 0.10 | 0.05 | 04/26/25 18:00 | 04/26/25 18:16 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 04/26/25 18:00 | 04/26/25 18:16 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1252248** | **Batch:** | **369831** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1252248 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Nitrogen, Nitrite | 4.439 | 4.567 | mg/L | 97% | | 90-110 |
| Nitrogen, Nitrate | 4.322 | 4.518 | mg/L | 96% | | 90-110 |
| Sulfate | 24.38 | 25.00 | mg/L | 98% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1254608** | **Batch:** | **370505** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1254608 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Fluoride | ND | | mg/L | 0.20 | 0.034 | 05/05/25 18:00 | 05/05/25 18:21 |
| Bromide | ND | | mg/L | 0.30 | 0.060 | 05/05/25 18:00 | 05/05/25 18:21 |
| Sulfate | ND | | mg/L | 1.0 | 0.18 | 05/05/25 18:00 | 05/05/25 18:21 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1254609** | **Batch:** | **370505** |
| **Matrix:** | **Water** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1254609 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Fluoride | 9.122 | 10.00 | mg/L | 91% | | 90-110 |
| Bromide | 15.32 | 15.00 | mg/L | 102% | | 90-110 |
| Sulfate | 25.15 | 25.00 | mg/L | 101% | | 90-110 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike** | **Lab ID:** | **QC1254632** | **Batch:** | **370505** |
| **Matrix (Source ID):** | **Water (532353-005)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1254632 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.38 | 0.6905 | 20.00 | mg/L | 98% | | 80-120 | 1 |
| Bromide | 15.82 | 1.538 | 15.00 | mg/L | 95% | | 80-120 | 1 |
| Sulfate | 520.8 | 624.2 | 50.00 | mg/L | -207% | E,NM | 80-120 | 1 |

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# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Matrix Spike Duplicate** | **Lab ID:** | **QC1254633** | **Batch:** | **370505** |
| **Matrix (Source ID):** | **Water (532353-005)** | **Method:** | **EPA 300.0** | **Prep Method:** | **METHOD** |

| QC1254633 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Fluoride | 20.33 | 0.6905 | 20.00 | mg/L | 98% | | 80-120 | 0 | 20 | 1 |
| Bromide | 18.03 | 1.538 | 15.00 | mg/L | 110% | | 80-120 | 13 | 20 | 1 |
| Sulfate | 520.8 | 624.2 | 50.00 | mg/L | -207% | E,NM | 80-120 | | 20 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample** | **Lab ID:** | **QC1253598** | **Batch:** | **370234** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1253598 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46.99 | 50.00 | ug/L | 94% | | 70-135 |
| MTBE | 49.17 | 50.00 | ug/L | 98% | | 70-130 |
| Benzene | 47.70 | 50.00 | ug/L | 95% | | 70-130 |
| Trichloroethene | 40.72 | 50.00 | ug/L | 81% | | 70-130 |
| Toluene | 42.48 | 50.00 | ug/L | 85% | | 70-130 |
| Chlorobenzene | 40.44 | 50.00 | ug/L | 81% | | 70-130 |
| **Surrogates** | | | | | | |
| Dibromofluoromethane | 49.46 | 50.00 | ug/L | 99% | | 70-130 |
| 1,2-Dichloroethane-d4 | 57.43 | 50.00 | ug/L | 115% | | 70-130 |
| Toluene-d8 | 47.32 | 50.00 | ug/L | 95% | | 70-130 |
| Bromofluorobenzene | 52.16 | 50.00 | ug/L | 104% | | 70-130 |

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Lab Control Sample Duplicate** | **Lab ID:** | **QC1253599** | **Batch:** | **370234** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1253599 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 43.97 | 50.00 | ug/L | 88% | | 70-135 | 7 | 30 |
| MTBE | 47.75 | 50.00 | ug/L | 95% | | 70-130 | 3 | 30 |
| Benzene | 45.54 | 50.00 | ug/L | 91% | | 70-130 | 5 | 30 |
| Trichloroethene | 38.90 | 50.00 | ug/L | 78% | | 70-130 | 5 | 30 |
| Toluene | 40.78 | 50.00 | ug/L | 82% | | 70-130 | 4 | 30 |
| Chlorobenzene | 38.89 | 50.00 | ug/L | 78% | | 70-130 | 4 | 30 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 49.09 | 50.00 | ug/L | 98% | | 70-130 | | |
| 1,2-Dichloroethane-d4 | 56.60 | 50.00 | ug/L | 113% | | 70-130 | | |
| Toluene-d8 | 47.46 | 50.00 | ug/L | 95% | | 70-130 | | |
| Bromofluorobenzene | 52.27 | 50.00 | ug/L | 105% | | 70-130 | | |

ENTHALPY ANALYTICAL

# Batch QC

| | | | | | |
|---|---|---|---|---|---|
| **Type:** | **Blank** | **Lab ID:** | **QC1253602** | **Batch:** | **370234** |
| **Matrix:** | **Water** | **Method:** | **EPA 8260B** | **Prep Method:** | **EPA 5030B** |

| QC1253602 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 3-Chloropropene | ND | | ug/L | 5.0 | 0.6 | 05/01/25 | 05/01/25 |
| Freon 12 | ND | | ug/L | 5.0 | 0.3 | 05/01/25 | 05/01/25 |
| Chloromethane | ND | | ug/L | 5.0 | 0.4 | 05/01/25 | 05/01/25 |
| Vinyl Chloride | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Bromomethane | ND | | ug/L | 5.0 | 0.8 | 05/01/25 | 05/01/25 |
| Chloroethane | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| Trichlorofluoromethane | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Acetone | ND | | ug/L | 100 | 17 | 05/01/25 | 05/01/25 |
| Freon 113 | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,1-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Methylene Chloride | ND | | ug/L | 5.0 | 3.5 | 05/01/25 | 05/01/25 |
| MTBE | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| trans-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,1-Dichloroethane | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 2-Butanone | ND | | ug/L | 100 | 2.0 | 05/01/25 | 05/01/25 |
| cis-1,2-Dichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 2,2-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| Chloroform | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Bromochloromethane | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| 1,1,1-Trichloroethane | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,1-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Carbon Tetrachloride | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,2-Dichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| Benzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Trichloroethene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,2-Dichloropropane | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Bromodichloromethane | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Dibromomethane | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| 4-Methyl-2-Pentanone | ND | | ug/L | 5.0 | 1.4 | 05/01/25 | 05/01/25 |
| cis-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Toluene | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| trans-1,3-Dichloropropene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,1,2-Trichloroethane | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| 1,3-Dichloropropane | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| Tetrachloroethene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Dibromochloromethane | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,2-Dibromoethane | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| Chlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,1,1,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| Ethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| m,p-Xylenes | ND | | ug/L | 10 | 0.2 | 05/01/25 | 05/01/25 |
| o-Xylene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Styrene | ND | | ug/L | 5.0 | 0.08 | 05/01/25 | 05/01/25 |
| Bromoform | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| Isopropylbenzene | ND | | ug/L | 5.0 | 0.09 | 05/01/25 | 05/01/25 |
| 1,1,2,2-Tetrachloroethane | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,2,3-Trichloropropane | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |

ENTHALPY ANALYTICAL

# Batch QC

| QC1253602 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Propylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| Bromobenzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,3,5-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 2-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 4-Chlorotoluene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| tert-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,2,4-Trimethylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| sec-Butylbenzene | ND | | ug/L | 5.0 | 0.08 | 05/01/25 | 05/01/25 |
| para-Isopropyl Toluene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,3-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,4-Dichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| n-Butylbenzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,2-Dichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| 1,2-Dibromo-3-Chloropropane | ND | | ug/L | 5.0 | 0.4 | 05/01/25 | 05/01/25 |
| 1,2,4-Trichlorobenzene | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| Hexachlorobutadiene | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| Naphthalene | ND | | ug/L | 5.0 | 0.3 | 05/01/25 | 05/01/25 |
| 1,2,3-Trichlorobenzene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| cis-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.1 | 05/01/25 | 05/01/25 |
| trans-1,4-Dichloro-2-butene | ND | | ug/L | 5.0 | 0.2 | 05/01/25 | 05/01/25 |
| Xylene (total) | ND | | ug/L | 5.0 | | 05/01/25 | 05/01/25 |
| **Surrogates** | | | | **Limits** | | | |
| Dibromofluoromethane | 100% | | %REC | 70-130 | | 05/01/25 | 05/01/25 |
| 1,2-Dichloroethane-d4 | 119% | | %REC | 70-130 | | 05/01/25 | 05/01/25 |
| Toluene-d8 | 94% | | %REC | 70-130 | | 05/01/25 | 05/01/25 |
| Bromofluorobenzene | 99% | | %REC | 70-130 | | 05/01/25 | 05/01/25 |

**Type:** Matrix Spike **Lab ID:** QC1253606 **Batch:** 370234
**Matrix (Source ID):** Water (532059-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

| QC1253606 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 14.05 | ND | 20.00 | ug/L | 70% | | 70-130 | 1 |
| MTBE | 15.97 | ND | 20.00 | ug/L | 80% | | 75-130 | 1 |
| Benzene | 14.31 | ND | 20.00 | ug/L | 72% | | 70-130 | 1 |
| Trichloroethene | 12.15 | ND | 20.00 | ug/L | 61% | * | 63-130 | 1 |
| Toluene | 12.66 | ND | 20.00 | ug/L | 63% | * | 70-130 | 1 |
| Chlorobenzene | 12.46 | ND | 20.00 | ug/L | 62% | * | 70-130 | 1 |
| **Surrogates** | | | | | | | | |
| Dibromofluoromethane | 49.44 | | 50.00 | ug/L | 99% | | 70-130 | 1 |
| 1,2-Dichloroethane-d4 | 59.99 | | 50.00 | ug/L | 120% | | 70-130 | 1 |
| Toluene-d8 | 46.62 | | 50.00 | ug/L | 93% | | 70-130 | 1 |
| Bromofluorobenzene | 50.68 | | 50.00 | ug/L | 101% | | 70-130 | 1 |

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# Batch QC

| Type: | Matrix Spike Duplicate | Lab ID: | QC1253607 | Batch: | 370234 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (532059-001) | Method: | EPA 8260B | Prep Method: | EPA 5030B |

| QC1253607 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 13.27 | ND | 20.00 | ug/L | 66% | * | 70-130 | 6 | 30 | 1 |
| MTBE | 16.53 | ND | 20.00 | ug/L | 83% | | 75-130 | 3 | 30 | 1 |
| Benzene | 14.63 | ND | 20.00 | ug/L | 73% | | 70-130 | 2 | 30 | 1 |
| Trichloroethene | 12.49 | ND | 20.00 | ug/L | 62% | * | 63-130 | 3 | 30 | 1 |
| Toluene | 13.36 | ND | 20.00 | ug/L | 67% | * | 70-130 | 5 | 30 | 1 |
| Chlorobenzene | 12.73 | ND | 20.00 | ug/L | 64% | * | 70-130 | 2 | 30 | 1 |
| **Surrogates** | | | | | | | | | | |
| Dibromofluoromethane | 50.19 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |
| 1,2-Dichloroethane-d4 | 60.46 | | 50.00 | ug/L | 121% | | 70-130 | | | 1 |
| Toluene-d8 | 46.54 | | 50.00 | ug/L | 93% | | 70-130 | | | 1 |
| Bromofluorobenzene | 50.00 | | 50.00 | ug/L | 100% | | 70-130 | | | 1 |

| Type: | Blank | Lab ID: | QC1252866 | Batch: | 370011 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252866 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | ND | | ug/L | 1.0 | 0.95 | 04/29/25 | 04/30/25 |
| **Surrogates** | | | | **Limits** | | | |
| 1,4-Dioxane-d8 (SUR) | 100% | | %REC | 80-120 | | 04/29/25 | 04/30/25 |

| Type: | Lab Control Sample | Lab ID: | QC1252867 | Batch: | 370011 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252867 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.892 | 10.00 | ug/L | 89% | | 80-120 |
| **Surrogates** | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.981 | 10.00 | ug/L | 100% | | 80-120 |

| Type: | Lab Control Sample Duplicate | Lab ID: | QC1252868 | Batch: | 370011 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | EPA 8270C-SIM | Prep Method: | EPA 3535 |

| QC1252868 Analyte | Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 8.732 | 10.00 | ug/L | 87% | | 80-120 | 2 | 20 |
| **Surrogates** | | | | | | | | |
| 1,4-Dioxane-d8 (SUR) | 9.908 | 10.00 | ug/L | 99% | | 80-120 | | |

| Type: | Blank | Lab ID: | QC1253903 | Batch: | 370312 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM 4500-S2-D | Prep Method: | METHOD |

| QC1253903 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | mg/L | 0.10 | | 05/02/25 | 05/02/25 |

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# Batch QC

**Type:** Lab Control Sample **Lab ID:** QC1253904 **Batch:** 370312
**Matrix:** Water **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1253904 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Sulfide | 1.000 | 1.000 | mg/L | 100% | | 90-110 |

**Type:** Matrix Spike **Lab ID:** QC1253905 **Batch:** 370312
**Matrix (Source ID):** Water (531773-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1253905 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1253906 **Batch:** 370312
**Matrix (Source ID):** Water (531773-001) **Method:** SM 4500-S2-D **Prep Method:** METHOD

| QC1253906 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 1.000 | ND | 1.000 | mg/L | 100% | | 80-120 | 0 | 20 | 1 |

**Type:** Blank **Lab ID:** QC1252745 **Batch:** 369964
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1252745 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Organic Carbon | ND | | mg/L | 1.0 | 0.68 | 04/29/25 | 04/29/25 |

**Type:** Lab Control Sample **Lab ID:** QC1252746 **Batch:** 369964
**Matrix:** Water **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1252746 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Organic Carbon | 24.13 | 25.00 | mg/L | 97% | | 85-115 |

**Type:** Matrix Spike **Lab ID:** QC1252747 **Batch:** 369964
**Matrix (Source ID):** Water (531641-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1252747 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 52.84 | 24.94 | 25.00 | mg/L | 112% | | 75-125 | 1 |

**Type:** Matrix Spike Duplicate **Lab ID:** QC1252748 **Batch:** 369964
**Matrix (Source ID):** Water (531641-001) **Method:** SM 5310B **Prep Method:** SM 5310B

| QC1252748 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 52.08 | 24.94 | 25.00 | mg/L | 109% | | 75-125 | 1 | 25 | 1 |

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# Batch QC

| Type: | Sample Duplicate | Lab ID: | QC1252237 | Batch: | 369829 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531819-002) | Method: | SM2130B | | |

| QC1252237 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Turbidity | 29,750 | 32650 | NTU | | 9 | 20 | 50 |

| Type: | Blank | Lab ID: | QC1252539 | Batch: | 369916 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1252539 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Bicarbonate | ND | | mg/L | 2.0 | | 04/28/25 | 04/28/25 |
| Alkalinity, Total as CaCO3 | ND | | mg/L | 2.0 | | 04/28/25 | 04/28/25 |

| Type: | Lab Control Sample | Lab ID: | QC1252540 | Batch: | 369916 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2320B | Prep Method: | METHOD |

| QC1252540 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Alkalinity, Total as CaCO3 | 1,008 | 1000 | mg/L | 101% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1252541 | Batch: | 369916 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531741-004) | Method: | SM2320B | Prep Method: | METHOD |

| QC1252541 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Bicarbonate | 248.5 | 253.3 | mg/L | | 2 | 20 | 2.5 |
| Alkalinity, Total as CaCO3 | 203.7 | 207.6 | mg/L | | 2 | 20 | 2.5 |

| Type: | Sample Duplicate | Lab ID: | QC1252558 | Batch: | 369920 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531713-001) | Method: | SM2510B | Prep Method: | METHOD |

| QC1252558 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 1,609 | 1611 | umhos/cm | | 0 | 20 | 1 |

| Type: | Sample Duplicate | Lab ID: | QC1252563 | Batch: | 369920 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531819-002) | Method: | SM2510B | Prep Method: | METHOD |

| QC1252563 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 1,482 | 1474 | umhos/cm | | 1 | 20 | 1 |

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# Batch QC

| Type: | Sample Duplicate | Lab ID: | QC1253328 | Batch: | 370152 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531657-001) | Method: | SM2510B | Prep Method: | METHOD |

| QC1253328 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 66,690 | 66460 | umhos/cm | | 0 | 20 | 1 |

| Type: | Sample Duplicate | Lab ID: | QC1253337 | Batch: | 370152 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531657-002) | Method: | SM2510B | Prep Method: | METHOD |

| QC1253337 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Specific Conductance | 77,000 | 77380 | umhos/cm | | 0 | 20 | 1 |

| Type: | Blank | Lab ID: | QC1252508 | Batch: | 369909 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1252508 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 04/28/25 | 04/29/25 |

| Type: | Lab Control Sample | Lab ID: | QC1252509 | Batch: | 369909 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1252509 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 966.0 | 1000 | mg/L | 97% | | 90-110 |

| Type: | Sample Duplicate | Lab ID: | QC1252510 | Batch: | 369909 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531754-001) | Method: | SM2540C | Prep Method: | METHOD |

| QC1252510 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,344 | 1284 | mg/L | | 5 | 5 | 2 |

| Type: | Sample Duplicate | Lab ID: | QC1252535 | Batch: | 369909 |
|---|---|---|---|---|---|
| Matrix (Source ID): | Water (531761-011) | Method: | SM2540C | Prep Method: | METHOD |

| QC1252535 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,602 | 1574 | mg/L | | 2 | 5 | 2 |

| Type: | Blank | Lab ID: | QC1252600 | Batch: | 369929 |
|---|---|---|---|---|---|
| Matrix: | Water | Method: | SM2540C | Prep Method: | METHOD |

| QC1252600 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | mg/L | 20 | | 04/28/25 | 04/29/25 |

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# Batch QC

| Type: Lab Control Sample | Lab ID: QC1252601 | Batch: 369929 |
|---|---|---|
| Matrix: Water | Method: SM2540C | Prep Method: METHOD |

| QC1252601 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1,040 | 1000 | mg/L | 104% | | 90-110 |

| Type: Sample Duplicate | Lab ID: QC1252602 | Batch: 369929 |
|---|---|---|
| Matrix (Source ID): Water (531819-001) | Method: SM2540C | Prep Method: METHOD |

| QC1252602 Analyte | Result | Source Sample Result | Units | Qual | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 410.0 | 404.0 | mg/L | | 1 | 5 | 2 |

| Type: Blank | Lab ID: QC1254380 | Batch: 370441 |
|---|---|---|
| Matrix: Water | Method: SM5220D | Prep Method: METHOD |

| QC1254380 Analyte | Result | Qual | Units | RL | MDL | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | mg/L | 4.0 | 2.0 | 05/04/25 | 05/04/25 |

| Type: Lab Control Sample | Lab ID: QC1254381 | Batch: 370441 |
|---|---|---|
| Matrix: Water | Method: SM5220D | Prep Method: METHOD |

| QC1254381 Analyte | Result | Spiked | Units | Recovery | Qual | Limits |
|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 983.0 | 1000 | mg/L | 98% | | 90-110 |

| Type: Matrix Spike | Lab ID: QC1254382 | Batch: 370441 |
|---|---|---|
| Matrix (Source ID): Water (532203-001) | Method: SM5220D | Prep Method: METHOD |

| QC1254382 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | DF |
|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,050 | 89.00 | 1000 | mg/L | 96% | | 75-125 | 2 |

| Type: Matrix Spike Duplicate | Lab ID: QC1254383 | Batch: 370441 |
|---|---|---|
| Matrix (Source ID): Water (532203-001) | Method: SM5220D | Prep Method: METHOD |

| QC1254383 Analyte | Result | Source Sample Result | Spiked | Units | Recovery | Qual | Limits | RPD | RPD Lim | DF |
|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 1,058 | 89.00 | 1000 | mg/L | 97% | | 75-125 | 1 | 20 | 2 |

* Value is outside QC limits

E Response exceeds instrument's linear range

ND Not Detected

NM Not Meaningful

**Laboratory Job Number 531819**

**Subcontracted Products**

**McCampbell Analytical, Inc.**

# McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2504M22

**Report Created for:** Enthalpy Analytical

931 West Barkley Avenue
Orange, CA 92868

**Project Contact:** Zach Barker
**Project P.O.:** 079649
**Project:** EO-531819

**Project Location:**
**Project Received:** 04/29/2025

Analytical Report reviewed & approved for release on 05/02/2025 by:

Yen Cao

Yen Cao
Project Manager

***McCampbell Analytical Inc. is not accredited for all the testing in this report. The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested.***

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504M22

**Project:** EO-531819

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CCV | Continuing Calibration Verification. |
| CCV REC (%) | % recovery of Continuing Calibration Verification. |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LCS2 | Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633. |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB IS/SS % Rec | % Recovery of Internal Standard or Surrogate in Method Blank, if applicable |
| MB SS % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | Method Detection Limit [1] |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting Limit [2] |
| RPD | Relative Percent Difference |
| RRT | Relative Retention Time |
| RSD | Relative Standard Deviation |
| SNR | Surrogate is diluted out of the calibration range |

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.

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# Glossary of Terms & Qualifier Definitions

**Client:** Enthalpy Analytical **WorkOrder:** 2504M22

**Project:** EO-531819

| | |
|---|---|
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TNTC | “Too Numerous to Count;” greater than 250 colonies observed on the plate. |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.) |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M22 |
| **Date Received:** | 04/29/2025 11:04 | **Extraction Method:** | RSK175 |
| **Date Prepared:** | 04/30/2025 | **Analytical Method:** | RSK175 |
| **Project:** | EO-531819 | **Unit:** | µg/L |

## Dissolved Carbon Dioxide by RSK 175

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 2504M22-001A | Water | 04/26/2025 09:15 | GC26 0430250916.D | 316493 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **1100** | 50 | 50 | 1 | 04/30/2025 15:24 |

Analyst(s): CLO

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| SOUTH BASIN EAST INLET | 2504M22-002A | Water | 04/26/2025 09:45 | GC26 0430250920.D | 316493 |

| Analytes | Result | MDL | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Carbon Dioxide | **860** | 50 | 50 | 1 | 04/30/2025 17:03 |

Analyst(s): CLO

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Enthalpy Analytical | **WorkOrder:** | 2504M22 |
| **Date Prepared:** | 04/30/2025 | **BatchID:** | 316493 |
| **Date Analyzed:** | 04/30/2025 | **Extraction Method:** | RSK175 |
| **Instrument:** | GC26 | **Analytical Method:** | RSK175 |
| **Matrix:** | Water | **Unit:** | µg/L |
| **Project:** | EO-531819 | **Sample ID:** | MB/LCS/LCSD-316493 |

## QC Summary Report for RSK175

| Analyte | MB Result | MDL | RL | | | |
|---|---|---|---|---|---|---|
| Carbon Dioxide | ND | 50 | 50 | - | - | - |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | 140 | 130 | 187.2 | 73 | 71 | 70-130 | 2.39 | 30 |

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# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2504M22** **ClientCode: ENO** **QuoteID: 252619**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

☑ Detection Summary ☑ **Excel** [A1_Standard _QC]

Report to:
Zach Barker
Enthalpy Analytical
931 West Barkley Avenue
Orange, CA 92868
714-771-6900 FAX:

Email: zach.barker@enthalpy.com
cc/3rd Party: incomingreports@enthalpy.com;
PO: 079649
Project: EO-531819

Bill to:
Accounts Payable/Enthalpy SoCal
Montrose Environmental Group
PO Box 842165
Boston, MA 02284-2165
003EL_ap@montrose-env.com

**Requested TAT: 5 days;**

*Date Received:* **04/29/2025**
*Date Logged:* **04/29/2025**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2504M22-001 | SOUTH BASIN WEST INLET | Water | 4/26/2025 09:15 | ☐ | A | A | | | | | | | | | | |
| 2504M22-002 | SOUTH BASIN EAST INLET | Water | 4/26/2025 09:45 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | PRDisposal Fee | 2 | RSK175_CO2_W | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Project Manager: Yen Cao**

**Prepared by: Carolina Garcia**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# WORK ORDER SUMMARY

**Client Name:** ENTHALPY ANALYTICAL
**Client Contact:** Zach Barker
**Contact's Email:** zach.barker@enthalpy.com

**Project:** EO-531819
**Comments:**

**Work Order:** 2504M22
**QC Level:** LEVEL 2
**Date Logged:** 4/29/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☑ J-flag

| LabID | ClientSampID | Matrix | Test Name | Cont./ Comp. | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | SOUTH BASIN WEST INLET | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/26/2025 9:15 | 5 days | 5/6/2025 | Present | ☐ | ☐ |
| 002A | SOUTH BASIN EAST INLET | Water | RSK175 (CO2) | 2 | VOA, Unpres | ☐ | ☐ | ☐ | 4/26/2025 9:45 | 5 days | 5/6/2025 | Present | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

**Cont./Comp. = Containers /Composites**

2504M22

ENTHALPY

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

Subcontract Laboratory:
McCampbell Analytical, Inc.
1534 Willow Pass Rd.
Pittsburg, CA 94565
ATTN: Quote ID: 252619
PO #: PO-079649

Enthalpy Order: EO-531819
PM: Zach Barker
Email: zach.barker@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Hold Time RUSH - collected 4/24/25
Report Level: II
Report To: MDL
EDDs: Standard Excel EDD

HOLD TIME RUSH

Notes:
Chiquita Canyon Landfill - Hold Time RUSH - collected 4/24/25

| Sample ID | Collected | Lab ID | # Cont. | Matrix | Analysis Requested | Comment |
|---|---|---|---|---|---|---|
| SOUTH BASIN WEST INLET | 26-APR-2025 09:15 | 531819-001 | 2 | Water | RSK-175 CO2 | Hold Time RUSH - collected 4/24/25 |
| SOUTH BASIN EAST INLET | 26-APR-2025 09:45 | 531819-002 | 2 | Water | RSK-175 CO2 | Hold Time RUSH - collected 4/24/25 |

| Notes: | Relinquished By: | Received By: |
|---|---|---|
| | A. Watson EX-ORA | |
| | Date: 04/28/25 1438 | Date: 4/29/25 1104 |
| | | |
| | Date: | Date: |
| | | |
| | Date: | Date: |

2.7 Wet IR45

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Sample Receipt Checklist

Client Name: Enthalpy Analytical
Project: EO-531819

Date and Time Received: 4/29/2025 11:04
Date Logged: 4/29/2025
Received by: Carolina Garcia
Logged by: Carolina Garcia

WorkOrder №: 2504M22 Matrix: Water
Carrier: Golden State Overnight

## Chain of Custody (COC) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Chain of custody present? | Yes | ☑ | No | ☐ | | |
| Chain of custody signed when relinquished and received? | Yes | ☑ | No | ☐ | | |
| Chain of custody agrees with sample labels? | Yes | ☑ | No | ☐ | | |
| Sample IDs noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Date and Time of collection noted by Client on COC? | Yes | ☑ | No | ☐ | | |
| Sampler's name noted on COC? | Yes | ☑ | No | ☐ | | |
| COC agrees with Quote? | Yes | ☑ | No | ☐ | NA | ☐ |

## Sample Receipt Information

| | | | | | | |
|---|---|---|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes | ☑ | No | ☐ | NA | ☐ |
| Custody seals intact on sample bottles? | Yes | ☐ | No | ☐ | NA | ☑ |
| Shipping container/cooler in good condition? | Yes | ☑ | No | ☐ | | |
| Samples in proper containers/bottles? | Yes | ☑ | No | ☐ | | |
| Sample containers intact? | Yes | ☑ | No | ☐ | | |
| Sufficient sample volume for indicated test? | Yes | ☑ | No | ☐ | | |

## Sample Preservation and Hold Time (HT) Information

| | | | | | | |
|---|---|---|---|---|---|---|
| All samples received within holding time? | Yes | ☑ | No | ☐ | NA | ☐ |
| Samples Received on Ice? | Yes | ☑ | No | ☐ | | |
| (Ice Type: WET ICE ) | | | | | | |
| Sample/Temp Blank temperature | Temp: 2.7°C | | | | NA | ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes | ☑ | No | ☐ | NA | ☐ |
| Sample labels checked for correct preservation? | Yes | ☑ | No | ☐ | | |
| pH acceptable upon receipt (Metal: <2)? | Yes | ☐ | No | ☐ | NA | ☑ |

UCMR Samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes | ☐ | No | ☐ | NA | ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes | ☐ | No | ☐ | NA | ☑ |

Comments:

# APPENDIX H

# STANDARD OBSERVATIONS

# 4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

15 Jan 2025 / John Boucher

Complete

| Score | 1 / 1 (100%) | Flagged items | 0 | Actions | 0 |
|---|---|---|---|---|---|

| | |
|---|---|
| **Site conducted** | 4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F |
| **Conducted on** | 15 Jan 2025 1:59 PM PST |
| **Inspector Name** | John Boucher |
| **Inspector Title** | Operations specialist |
| **Weather Conditions** | Sunny |

| Untitled Page | |
|---|---|
| East Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| South Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| All Operations | |
| **Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?** | Yes |
| **Are paved areas of the facility vacuum swept weekly?** | Yes |
| **Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?** | Yes |
| Erosion and Sediment | |
| **Is stormwater properly diverted around active fill area and soil stockpile?** | Yes |
| **Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?** | Yes |
| **Are sediment and retention basins properly maintained?** | Yes |
| **Are slope protection measures applied?** | Yes |
| **Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?** | Yes |
| Recycling Storage | |
| **Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?** | Yes |
| Trash Disposal | |
| **Do all garbage containers in use have a lid closed or tarp placed?** | Yes |

| | |
|---|---|
| E-waste Storage Area | |
| **Is all E-waste under cover?** | N/A |
| **Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?** | N/A |
| Household Hazardous Waste Collection | |
| **Are all Household Hazardous Waste materials under cover?** | Yes |
| **Are materials stored in appropriately segregated and covered containers in an area away from traffic flow and on secondary containment?** | Yes |
| **Do any storage containers display evidence of leakage?** | No |
| Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Temporary Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Spill Response Kits | |
| **Are any spill kits missing or relocated from the maintenance shop?** | No |
| **Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)** | No |
| Tracking Industrial Vehicle Entry/Exit Points | |
| **Any off-site tracking of sediment or dirt?** | No |
| Geomembrane Cover and North and West perimeter Road | |

| | |
|---|---|
| **Is stormwater properly diverted around reaction area?** | Yes |
| **Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?** | No |
| **Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?** | Yes |
| **Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?** | No |
| **Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?** | No |

| Bulk Fuel and Oil Tanks | |
|---|---|
| Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable? | |
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline Flatbed truck** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube truck** | OK |
| Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling? | |

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline- Flatbed truck** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |

| | |
|---|---|
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

## Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

**Provide brief explanation**

**Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"**

John Boucher
15 Jan 2025 2:47 PM PST

**Check this box to notify Authorized Representative that inspection is completed and awaiting signature.** ☑

**Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"**

Nicole Ward
19 Jun 2025 10:50 AM PDT

# 4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

27 Feb 2025 / John Boucher

Complete

| Score | 1 / 1 (100%) | Flagged items | 0 | Actions | 0 |
|---|---|---|---|---|---|

| | |
|---|---|
| **Site conducted** | 4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F |
| **Conducted on** | 27 Feb 2025 2:01 PM PST |
| **Inspector Name** | John Boucher |
| **Inspector Title** | Operations specialist |
| **Weather Conditions** | Partly cloudy |

| Untitled Page | |
|---|---|
| East Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| South Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| All Operations | |
| **Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?** | Yes |
| **Are paved areas of the facility vacuum swept weekly?** | Yes |
| **Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?** | Yes |
| Erosion and Sediment | |
| **Is stormwater properly diverted around active fill area and soil stockpile?** | Yes |
| **Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?** | Yes |
| **Are sediment and retention basins properly maintained?** | Yes |
| **Are slope protection measures applied?** | Yes |
| **Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?** | Yes |
| Recycling Storage | |
| **Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?** | Yes |
| Trash Disposal | |
| **Do all garbage containers in use have a lid closed or tarp placed?** | Yes |

| | |
|---|---|
| E-waste Storage Area | |
| **Is all E-waste under cover?** | N/A |
| **Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?** | N/A |
| Household Hazardous Waste Collection | |
| **Are all Household Hazardous Waste materials under cover?** | Yes |
| **Are materials stored in appropriately segregated and covered containers in an area away from traffic flow and on secondary containment?** | Yes |
| **Do any storage containers display evidence of leakage?** | No |
| Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Temporary Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Spill Response Kits | |
| **Are any spill kits missing or relocated from the maintenance shop?** | No |
| **Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)** | No |
| Tracking Industrial Vehicle Entry/Exit Points | |
| **Any off-site tracking of sediment or dirt?** | No |
| Geomembrane Cover and North and West perimeter Road | |

| | |
|---|---|
| **Is stormwater properly diverted around reaction area?** | Yes |
| **Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?** | No |
| **Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?** | Yes |
| **Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?** | No |
| **Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?** | No |

| Bulk Fuel and Oil Tanks | |
|---|---|
| Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable? | |
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline Flatbed truck** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube truck** | OK |
| Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling? | |

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
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| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | Needs Attention |

Possible slight leak from valve. Will be checked

| | |
|---|---|
| **AST 3: 500 gal Engine/Hydraulic Oil** | Needs Attention |
| Possible slight leak from valve. Will be checked | |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

## Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

**Provide brief explanation**

**Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"**

John Boucher
27 Feb 2025 3:03 PM PST

**Check this box to notify Authorized Representative that inspection is completed and awaiting signature.** ☑

**Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"**

# 4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

19 Mar 2025 / John Boucher

Complete

| Score | 1 / 1 (100%) | Flagged items | 0 | Actions | 0 |
|---|---|---|---|---|---|

| | |
|---|---|
| **Site conducted** | 4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F |
| **Conducted on** | 19 Mar 2025 1:39 PM PDT |
| **Inspector Name** | John Boucher |
| **Inspector Title** | Operations specialist |
| **Weather Conditions** | Sunny |

| Untitled Page | |
|---|---|
| East Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| South Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| All Operations | |
| **Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?** | Yes |
| **Are paved areas of the facility vacuum swept weekly?** | Yes |
| **Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?** | Yes |
| Erosion and Sediment | |
| **Is stormwater properly diverted around active fill area and soil stockpile?** | Yes |
| **Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?** | Yes |
| **Are sediment and retention basins properly maintained?** | Yes |
| **Are slope protection measures applied?** | Yes |
| **Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?** | Yes |
| Recycling Storage | |
| **Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?** | Yes |
| Trash Disposal | |
| **Do all garbage containers in use have a lid closed or tarp placed?** | Yes |

| | |
|---|---|
| E-waste Storage Area | |
| **Is all E-waste under cover?** | N/A |
| **Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?** | Yes |
| Household Hazardous Waste Collection | |
| **Are all Household Hazardous Waste materials under cover?** | Yes |
| **Are materials stored in appropriately segregated and covered containers in an area away from traffic flow and on secondary containment?** | Yes |
| **Do any storage containers display evidence of leakage?** | No |
| Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Temporary Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Spill Response Kits | |
| **Are any spill kits missing or relocated from the maintenance shop?** | No |
| **Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)** | No |
| Tracking Industrial Vehicle Entry/Exit Points | |
| **Any off-site tracking of sediment or dirt?** | No |
| Geomembrane Cover and North and West perimeter Road | |

| | |
|---|---|
| **Is stormwater properly diverted around reaction area?** | Yes |
| **Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?** | No |
| **Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?** | Yes |
| **Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?** | No |
| **Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?** | No |

| Bulk Fuel and Oil Tanks | |
|---|---|
| Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable? | |
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline Flatbed truck** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube truck** | OK |
| Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling? | |

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline- Flatbed truck** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |

| | |
|---|---|
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

## Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

**Provide brief explanation**

**Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"**

John Boucher
19 Mar 2025 1:45 PM PDT

**Check this box to notify Authorized Representative that inspection is completed and awaiting signature.** ☑

**Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"**

Nicole Ward
19 Jun 2025 10:47 AM PDT

# 4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

16 Apr 2025 / John Boucher

Complete

| Score | 1 / 1 (100%) | Flagged items | 0 | Actions | 0 |
|---|---|---|---|---|---|

| | |
|---|---|
| **Site conducted** | 4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F |
| **Conducted on** | 16 Apr 2025 2:12 PM PDT |
| **Inspector Name** | John Boucher |
| **Inspector Title** | Operations specialist |
| **Weather Conditions** | Cloudy |

| Untitled Page | |
|---|---|
| East Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| South Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| All Operations | |
| **Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?** | Yes |
| **Are paved areas of the facility vacuum swept weekly?** | Yes |
| **Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?** | Yes |
| Erosion and Sediment | |
| **Is stormwater properly diverted around active fill area and soil stockpile?** | Yes |
| **Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?** | Yes |
| **Are sediment and retention basins properly maintained?** | Yes |
| **Are slope protection measures applied?** | Yes |
| **Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?** | Yes |
| Recycling Storage | |
| **Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?** | Yes |
| Trash Disposal | |
| **Do all garbage containers in use have a lid closed or tarp placed?** | Yes |

| | |
|---|---|
| E-waste Storage Area | |
| **Is all E-waste under cover?** | N/A |
| **Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?** | N/A |
| Household Hazardous Waste Collection | |
| **Are all Household Hazardous Waste materials under cover?** | Yes |
| **Are materials stored in appropriately segregated and covered containers in an area away from traffic flow and on secondary containment?** | Yes |
| **Do any storage containers display evidence of leakage?** | No |
| Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Temporary Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Spill Response Kits | |
| **Are any spill kits missing or relocated from the maintenance shop?** | No |
| **Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)** | No |
| Tracking Industrial Vehicle Entry/Exit Points | |
| **Any off-site tracking of sediment or dirt?** | No |
| Geomembrane Cover and North and West perimeter Road | |

| | |
|---|---|
| **Is stormwater properly diverted around reaction area?** | Yes |
| **Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?** | No |
| **Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?** | Yes |
| **Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?** | No |
| **Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?** | No |

| Bulk Fuel and Oil Tanks | |
|---|---|
| Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable? | |
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline Flatbed truck** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube truck** | OK |
| Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling? | |

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
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| **AST 2: 500 gal Transmission** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline- Flatbed truck** | OK |
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| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |

| | |
|---|---|
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

## Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

**Provide brief explanation**

**Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"**

John Boucher
16 Apr 2025 3:22 PM PDT

**Check this box to notify Authorized Representative that inspection is completed and awaiting signature.** ☑

**Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"**

Nicole Ward
19 Jun 2025 10:47 AM PDT

# 4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

14 May 2025 / John Boucher

Complete

| Score | 1 / 1 (100%) | Flagged items | 0 | Actions | 0 |
|---|---|---|---|---|---|

| | |
|---|---|
| **Site conducted** | 4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F |
| **Conducted on** | 14 May 2025 2:38 PM PDT |
| **Inspector Name** | John Boucher |
| **Inspector Title** | Operations specialist |
| **Weather Conditions** | Sunny |

| Untitled Page | |
|---|---|
| East Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| South Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| All Operations | |
| **Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?** | Yes |
| **Are paved areas of the facility vacuum swept weekly?** | Yes |
| **Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?** | Yes |
| Erosion and Sediment | |
| **Is stormwater properly diverted around active fill area and soil stockpile?** | Yes |
| **Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?** | Yes |
| **Are sediment and retention basins properly maintained?** | Yes |
| **Are slope protection measures applied?** | Yes |
| **Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?** | Yes |
| Recycling Storage | |
| **Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?** | Yes |
| Trash Disposal | |
| **Do all garbage containers in use have a lid closed or tarp placed?** | Yes |

| | |
|---|---|
| E-waste Storage Area | |
| **Is all E-waste under cover?** | N/A |
| **Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?** | N/A |
| Household Hazardous Waste Collection | |
| **Are all Household Hazardous Waste materials under cover?** | Yes |
| **Are materials stored in appropriately segregated and covered containers in an area away from traffic flow and on secondary containment?** | Yes |
| **Do any storage containers display evidence of leakage?** | No |
| Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Temporary Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Spill Response Kits | |
| **Are any spill kits missing or relocated from the maintenance shop?** | No |
| **Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)** | No |
| Tracking Industrial Vehicle Entry/Exit Points | |
| **Any off-site tracking of sediment or dirt?** | No |
| Geomembrane Cover and North and West perimeter Road | |

| | |
|---|---|
| **Is stormwater properly diverted around reaction area?** | Yes |
| **Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?** | No |
| **Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?** | Yes |
| **Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?** | No |
| **Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?** | No |

| Bulk Fuel and Oil Tanks | |
|---|---|
| Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable? | |
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline Flatbed truck** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube truck** | OK |
| Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling? | |

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline- Flatbed truck** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | Needs Attention |

Will be addressed with maintenance manager

| | |
|---|---|
| **AST 3: 500 gal Engine/Hydraulic Oil**<br>Will be addressed with maintenance manager | Needs Attention |
| **AST 4: 300 gal Drive Train Fluid**<br>Will be addressed with maintenance manager | Needs Attention |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

## Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

**Provide brief explanation**

**Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"**

John Boucher
15 May 2025 7:56 AM PDT

**Check this box to notify Authorized Representative that inspection is completed and awaiting signature.** ☑

**Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"**

Nicole Ward
19 Jun 2025 10:46 AM PDT

# 4050 Monthly Dry SWPPP and SPCC Plan Visual Observation Form

25 Jun 2025 / John Boucher

Complete

| Score | 1 / 1 (100%) | Flagged items | 0 | Actions | 0 |
|---|---|---|---|---|---|

| | |
|---|---|
| **Site conducted** | 4050 - Chiquita Canyon Landfill -, Corporate (Overall), Western, Western/SO CA L/F |
| **Conducted on** | 25 Jun 2025 1:38 PM PDT |
| **Inspector Name** | John Boucher |
| **Inspector Title** | Operations specialist |
| **Weather Conditions** | Sunny |

| Untitled Page | |
|---|---|
| East Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| South Sampling | |
| **Unauthorized nonstormwater discharges? (Yes or No)** | No |
| **Authorized nonstormwater discharges? (Yes or No)** | No |
| All Operations | |
| **Is equipment serviced outside of maintenance area or on the active face minimized during wet weather?** | Yes |
| **Are paved areas of the facility vacuum swept weekly?** | Yes |
| **Are loose absorbents deployed over spills cleaned up after each use and disposed of properly?** | Yes |
| Erosion and Sediment | |
| **Is stormwater properly diverted around active fill area and soil stockpile?** | Yes |
| **Is a stormwater conveyance system to divert runoff around material storage areas and convey runoff installed and maintained?** | Yes |
| **Are sediment and retention basins properly maintained?** | Yes |
| **Are slope protection measures applied?** | Yes |
| **Are energy dissipating devices installed to slow the velocity of storm water drainage and prevent erosion?** | Yes |
| Recycling Storage | |
| **Are outdoor recyclable materials covered 48 hours ahead of likely storm events forecast at 50 percent or greater probability at the facility?** | Yes |
| Trash Disposal | |
| **Do all garbage containers in use have a lid closed or tarp placed?** | Yes |

| | |
|---|---|
| E-waste Storage Area | |
| **Is all E-waste under cover?** | N/A |
| **Are materials stored in appropriately segregated and covered containers in an area that is away from traffic flow?** | N/A |
| Household Hazardous Waste Collection | |
| **Are all Household Hazardous Waste materials under cover?** | Yes |
| **Are materials stored in appropriately segregated and covered containers in an area away from traffic flow and on secondary containment?** | Yes |
| **Do any storage containers display evidence of leakage?** | No |
| Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Temporary Leachate & Condensate Collection, Storage, & Conveyance | |
| **Are tanks provided with secondary containment?** | Yes |
| **Is secondary containment area/berms free of debris?** | Yes |
| **Are there any visible spills or leaks?** | No |
| Spill Response Kits | |
| **Are any spill kits missing or relocated from the maintenance shop?** | No |
| **Are any spill kits missing supplies or in poor condition at the maintenance shop (e.g. lids broken, full of water, mildew, or staining?)** | No |
| Tracking Industrial Vehicle Entry/Exit Points | |
| **Any off-site tracking of sediment or dirt?** | No |
| Geomembrane Cover and North and West perimeter Road | |

| | |
|---|---|
| **Is stormwater properly diverted around reaction area?** | Yes |
| **Are there any visible signs of leachate seep(s), and if so, did you immediately inform your supervisor and contain the seep?** | No |
| **Are soil dams/berms and other best management practices in place or available to prevent any leachate from reaching the south detention basin?** | Yes |
| **Are there any visible signs of residual leachate seeps in the concrete channel which should be pressure washed and cleaned?** | No |
| **Are there any visible signs of damage to the geomembrane cover (tears, punctures, etc.) and if so, did you immediately inform your supervisor?** | No |

| Bulk Fuel and Oil Tanks | |
|---|---|
| Is the containment structure free of: water, debris, holes, cracks, fire hazards, liner degradation, corrosion, leakage, or paint failure? Is there water in the primary tank? Are containment drain valves operable and in the closed position (exercise valves)? Are there visible signs of leakage on the tank, interstice, or from the tank into the containment or surrounding soil? Does the exterior of the tank show signs of coating failure, distortions, buckling, denting, or bulging? Are pathways and entry to and from the tank clear and are gates/doors operable? | |
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline Flatbed truck** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube truck** | OK |
| Do container supports and foundations show signs of damage, corrosion, paint failure, or significant settlement? Does water drain away from container/tank? Are grounding straps secure and in good condition? Do ladders or platform structures show signs of severe corrosion or damage? Does the ground around the container show signs of oil leaks? Does the concrete pad or ring wall show signs of cracking of spalling? | |

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline- Flatbed truck** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

Exercise valves, as appropriate, checking for proper operation; including shear valve (follow manufacturer's instructions). Are vent components unobstructed? Are valves free of leaks, corrosion, and damage? Tank drain valves must be kept locked. Are spill containment boxes on fill pipes free of debris, water, and residue? Are spill containment boxes installed properly on tank? Are drain valves on spill containment boxes closed? Is liquid level equipment showing signs of physical damage, and is the device easily readable and functioning properly? Are all piping connections free of leaks, corrosion, and damage?

| | |
|---|---|
| **Diesel Fuel 8,000 gal** | OK |
| **AST 1: 750 gal Used Oil** | OK |
| **AST 2: 500 gal Transmission Oil** | OK |
| **AST 3: 500 gal Engine/Hydraulic Oil** | OK |

| | |
|---|---|
| **AST 4: 300 gal Drive Train Fluid** | OK |
| **AST 5: 200 gal Used Antifreeze** | OK |
| **Drums within bermed containment area north of equipment maintenance facility building** | OK |
| **MS-1: 100 gal Gasoline** | OK |
| **MS-3: 300 gallon DEF** | OK |
| **MR-1: 1,750 gal Diesel** | OK |
| **MR-3: 200 gal Engine/Hydraulic Oil** | OK |
| **MR-4: 100 gal 30W Oil** | OK |
| **MR-5: 100 gal 50W Oil** | OK |
| **MR-6: 200 gal Transmission/Hydraulic Oil** | OK |
| **MR-8: 55 gal Grease- Lube Truck** | OK |

## Corrective Action and SWPPP/SPCC Plan Modification Descriptions

1 / 1 (100%)

**Provide brief explanation**

**Inspector Certification: This section must be completed by the person who conducted the inspection. "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"**

John Boucher
25 Jun 2025 1:44 PM PDT

**Check this box to notify Authorized Representative that inspection is completed and awaiting signature.** ☑

**Authorized Representative Certification: This section must be completed by an authorized representative of the Facility (e.g. District Manager or Site Manager). "I certify that I have reviewed this report and that it is true, accurate, and complete, to the best of my knowledge and belief"**

Amanda Froman
3 Jul 2025 11:13 AM PDT

# APPENDIX I

# WASTE DISPOSAL REPORTS

CHIQUITA CANYON
*a Waste Connections company*

April 15, 2025

Mr. Enrique Casas
California Regional Water Quality Control Board
320 West 4th Street
Los Angeles, California 90013

Subject: **First Quarter 2025 Solid Waste Disposal Report**
**Chiquita Canyon Landfill (File No. 67-20)**
**Los Angeles County, California**

Dear Mr. Casas:

This is the First Quarter 2025 Solid Waste Disposal Report for the Chiquita Canyon Landfill. This report is required by Monitoring and Reporting Program No. CI-6231 dated December 13, 2018, and Waste Discharge Requirements Order No. R4-2018-0172 File No. 67-020 adopted December 13, 2018. This report covers the period from January-March 2025.

A point-by-point discussion of reporting requirements follows:

**1. The reports to the Regional Board shall include a map of the site, and shall indicate the area(s) where disposal is taking place or will begin. This map shall be updated quarterly and summarized and submitted with the annual report due February 15 of each year. If a new area is landfilled, it shall be identified in the corresponding quarterly report.**

As the Water Board is aware, CCL closed the Chiquita Canyon Landfill to the acceptance of waste effective January 1, 2025. CCL does not receive any waste or beneficial reuse materials, but does continue to dispose of a small quantity of internally generated waste. Enclosed, as Attachment 1 is a drawing showing the locations where CCL disposed of the internally generated waste during the First Quarter 2025.

**2. A tabular list of the estimated average monthly quantities and types of materials deposited each month.**

As discussed above, the Landfill is now closed to the acceptance of waste.

**3. An estimate of remaining capacity (in cubic yards and tons), and the remaining life of the site in years and months.**

As discussed above, the Landfill is now closed to the acceptance of waste.

**4. A certification that all wastes deposited were deposited in compliance with the Board's requirements, and that no waste was deposited outside the boundaries of the waste management facility as specified in the Board requirements.**

During the reporting period, the site was operated in compliance with the Board's requirements and no wastes were deposited outside the boundary of the waste management unit.

**5. A description of the location and an estimate of the seepage rate or flow of all known seeps and springs at the site.**

No water seeps or springs were discovered during visual monitoring of the landfill conducted in January, February and March 2025.

**6. The estimated amount of water used at the waste management area for landscape irrigation, compaction, dust control, etc. (If a source other than potable waste is used, the sources and amounts of water from each source shall also be reported).**

During the reporting period, approximately 2,241,834 gallons of water were used for dust control, irrigation, and site operation construction. Water was obtained from Newhall Land and Farming Company from an irrigation line located south of the site near Highway 126.

**7. Quantities of liquid pumped from the leachate monitoring sumps and/or extraction wells, including dates of removal, and the ultimate disposition (dust control, returned to landfill, disposal). If no liquid was detected or pumped during the reporting period, a statement to that effect shall be submitted.**

Information on quantities of leachate pumped and disposed during the reporting period is enclosed as Attachment 3.

**8. The discharger shall report all unacceptable (to this site) wastes inadvertently received at this site and their disposition. The following details shall be included:**

a. **The source (if known), including the hauler, of the unacceptable wastes and date received and/or discovered.**
b. **Identification of waste (if known) and the amount of waste.**
c. **The name and address of the hauler who removed the waste from the site.**
d. **The ultimate point of disposal for the waste.**
e. **The discharger's actions to prevent recurrence of the attempted depositing of unacceptable wastes by this source or individual (if applicable). If no unacceptable wastes were received (or discovered) during the month, the report shall so state.**

As discussed above, the Landfill is now closed to the acceptance of waste. Only a small amount of internally generated waste is disposed of at the Landfill, which does not include any unacceptable waste. All internal waste is checked before disposal.

If you should have any questions regarding this report, please do not hesitate to contact me at (661) 257-3655.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on the 15th day of April, 2025.

Please do not hesitate to contact me at with any questions regarding the above responses.

Sincerely,

**CHIQUITA CANYON LANDFILL**

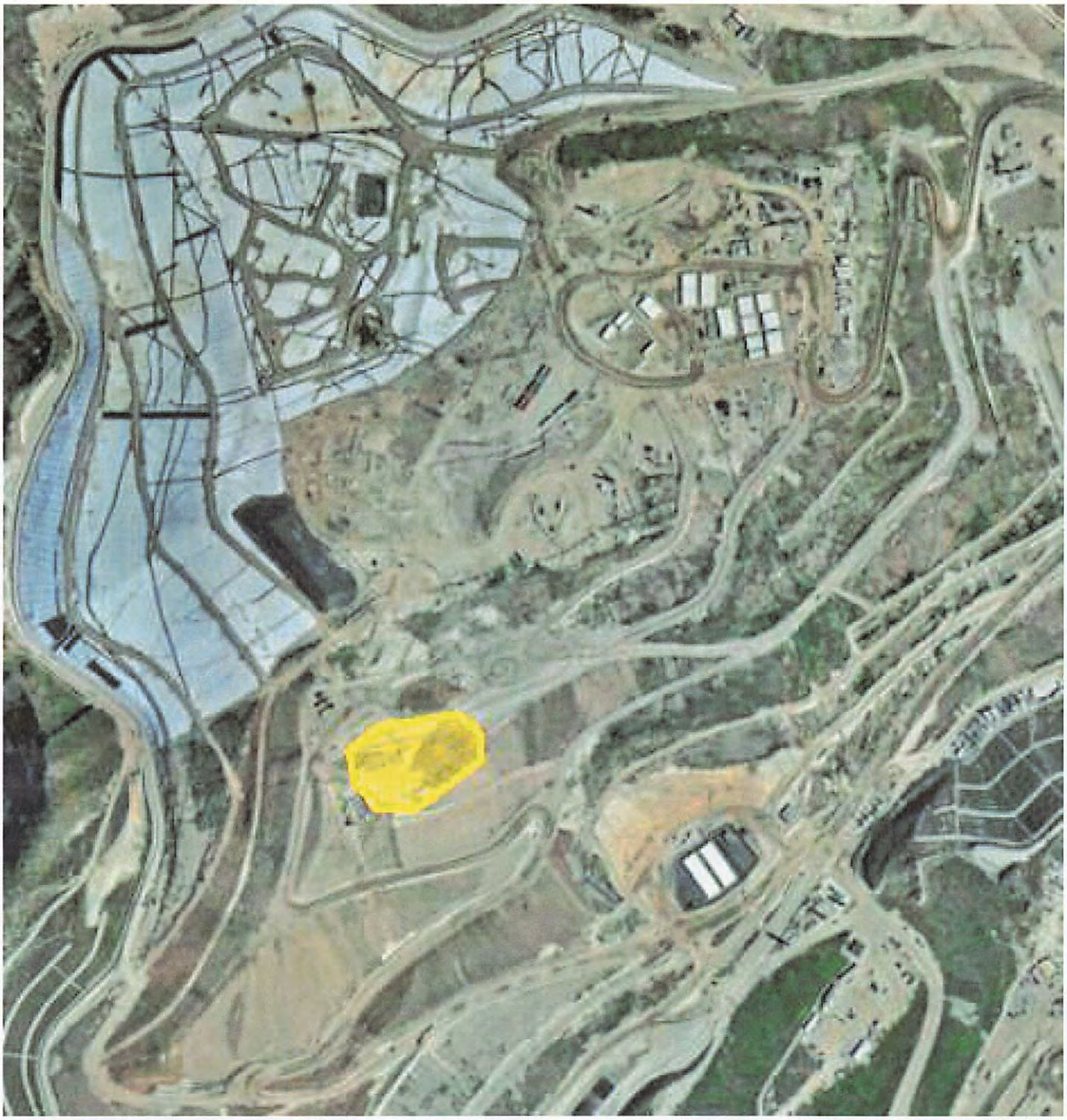
Steve Cassulo
District Manager

Chiquita Canyon Landfill

Attachments: Attachment 1 – Disposal Area Plan
Attachment 2 – Tonnage / Load Reports
Attachment 3 – Leachate Disposal

## Attachment 1

## Disposal Area Plan



## Attachment 2

## Tonnage / Load Reports

## CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR January 2025

| DATE | | Inbound Material | | | | | | | | | | | | | | | | | | | | | | | | | | Total Daily Inbound | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Disposal | | | | | | | | | | | Diversion | | | | | | | | | | | | | Soil | | | | | |
| | | Transfer Trailer Waste | Lds | Residential | Lds | Commercial | Lds | General Public | Lds | Trash Total | Lds | Weekly | Shredded Green Waste → Erosion Control | Lds | MRF Fines → Protective Cover | Lds | Shredded Green Waste → ADC | Lds | TASW→ ADC | Lds | Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control | Lds | C&D | Lds | Total, tons | Total, loads | Contaminated Soil→Various Uses | Lds | Clean Soil→Various Uses | Lds | Tons | Loads |
| | SUN | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/1/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/2/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/3/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/4/2025 | SAT | | | | | | | | | - | 0 | 0 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/5/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 1/6/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/7/2025 | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/8/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/9/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/10/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/11/2025 | SAT | | | | | | | | | - | 0 | 0 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/12/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 1/13/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/14/2025 | TUE | | | | | 22.82 | 3 | | | 22.82 | 3 | | | | | | | | | | | | | | - | - | | | | | 22.82 | 3 |
| 1/15/2025 | WED | | | | | 37.34 | 4 | | | 37.34 | 4 | | | | | | | | | | | | | | - | - | | | | | 37.34 | 4 |
| 1/16/2025 | THU | | | | | 11.24 | 2 | | | 11.24 | 2 | | | | | | | | | | | | | | - | - | | | | | 11.24 | 2 |
| 1/17/2025 | FRI | | | | | 0.66 | 1 | | | 0.66 | 1 | | | | | | | | | | | | | | - | - | | | | | 0.66 | 1 |
| 1/18/2025 | SAT | | | | | | | | | - | 0 | 72 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/19/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 1/20/2025 | MON | | | | | 9.60 | 2 | | | 9.60 | 2 | | | | | | | | | | | | | | - | - | | | | | 9.60 | 2 |
| 1/21/2025 | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/22/2025 | WED | | | | | 0.56 | 1 | | | 0.56 | 1 | | | | | | | | | | | | | | - | - | | | | | 0.56 | 1 |
| 1/23/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/24/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/25/2025 | SAT | | | | | | | | | - | 0 | 10 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/26/2025 | SUN | | | | | | | | | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 1/27/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/28/2025 | TUE | | | | | 12.93 | 1 | | | 12.93 | 1 | | | | | | | | | | | | | | - | - | | | | | 12.93 | 1 |
| 1/29/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/30/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 1/31/2025 | FRI | | | | | 12.05 | 2 | | | 12.05 | 2 | | | | | | | | | | | | | | - | - | | | | | 12.05 | 2 |
| | SAT | | | | | | | | | - | 0 | 25 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| | MON | | | | | | | | | - | 0 | 0 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| TOTAL | | - | - | - | - | 107.20 | 16 | - | - | 107.20 | 16 | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 107.20 | 16 |

**Monthly Totals**

| | |
|---|---|
| Water Used for Dust Control & Irrigation, gallons | **957,474** |
| Disposal, tons | **107** |
| Diversion, tons | **-** |
| Soils, tons | **-** |
| Total | **107** |

## CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR February 2025

| DATE | | Inbound Material | | | | | | | | | | | | | | | | | | | | | | | | | | Total Daily Inbound | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Disposal | | | | | | | | | | | Diversion | | | | | | | | | | | | | Soil | | | | | |
| | | Transfer Trailer Waste | Lds | Residential | Lds | Commercial | Lds | General Public | Lds | Trash Total | Lds | Weekly | Shredded Green Waste → Erosion Control | Lds | MRF Fines → Protective Cover | Lds | Shredded Green Waste → ADC | Lds | TASW→ ADC | Lds | Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control | Lds | C&D | Lds | Total, tons | Total, loads | Contaminated Soil→Various Uses | Lds | Clean Soil→Various Uses | Lds | Tons | Loads |
| | SUN | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 2/1/2025 | SAT | | | | | 21.35 | | | | 21.35 | 0 | 21 | | | | | | | | | | | | | - | - | | | | | 21.35 | 0 |
| 2/2/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 2/3/2025 | MON | | | | | 41.23 | | | | 41.23 | 0 | | | | | | | | | | | | | | - | - | | | | | 41.23 | 0 |
| 2/4/2025 | TUE | | | | | 23.17 | | | | 23.17 | 0 | | | | | | | | | | | | | | - | - | | | | | 23.17 | 0 |
| 2/5/2025 | WED | | | | | 42.89 | | | | 42.89 | 0 | | | | | | | | | | | | | | - | - | | | | | 42.89 | 0 |
| 2/6/2025 | THU | | | | | 23.35 | | | | 23.35 | 0 | | | | | | | | | | | | | | - | - | | | | | 23.35 | 0 |
| 2/7/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 2/8/2025 | SAT | | | | | 1.39 | | | | 1.39 | 0 | 132 | | | | | | | | | | | | | - | - | | | | | 1.39 | 0 |
| 2/9/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 2/10/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 2/11/2025 | TUE | | | | | 52.87 | | | | 52.87 | 0 | | | | | | | | | | | | | | - | - | | | | | 52.87 | 0 |
| 2/12/2025 | WED | | | | | 8.15 | | | | 8.15 | 0 | | | | | | | | | | | | | | - | - | | | | | 8.15 | 0 |
| 2/13/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 2/14/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 2/15/2025 | SAT | | | | | | | | | - | 0 | 61 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 2/16/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 2/17/2025 | MON | | | | | 21.13 | | | | 21.13 | 0 | | | | | | | | | | | | | | - | - | | | | | 21.13 | 0 |
| 2/18/2025 | TUE | | | | | 11.02 | | | | 11.02 | 0 | | | | | | | | | | | | | | - | - | | | | | 11.02 | 0 |
| 2/19/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 2/20/2025 | THU | | | | | 9.29 | | | | 9.29 | 0 | | | | | | | | | | | | | | - | - | | | | | 9.29 | 0 |
| 2/21/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 2/22/2025 | SAT | | | | | | | | | - | 0 | 41 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 2/23/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 2/24/2025 | MON | | | | | 1.36 | | | | 1.36 | 0 | | | | | | | | | | | | | | - | - | | | | | 1.36 | 0 |
| 2/25/2025 | TUE | | | | | 22.09 | | | | 22.09 | 0 | | | | | | | | | | | | | | - | - | | | | | 22.09 | 0 |
| 2/26/2025 | WED | | | | | 53.10 | | | | 53.10 | 0 | | | | | | | | | | | | | | - | - | | | | | 53.10 | 0 |
| 2/27/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 2/28/2025 | FRI | | | | | 3.19 | | | | 3.19 | 0 | | | | | | | | | | | | | | - | - | | | | | 3.19 | 0 |
| | SAT | | | | | | | | | - | 0 | 80 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| | MON | | | | | | | | | - | 0 | 0 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| TOTAL | | - | - | - | - | 335.58 | - | - | - | 335.58 | - | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 335.58 | - |

**Monthly Totals**

| | |
|---|---|
| Water Used for Dust Control & Irrigation, gallons | **718,200** |
| Disposal, tons | **336** |
| Diversion, tons | **-** |
| Soils, tons | **-** |
| Total | **336** |

## CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR March 2025

| DATE | | Inbound Material | | | | | | | | | | | | | | | | | | | | | | | | | | Total Daily Inbound | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Disposal | | | | | | | | | | | Diversion | | | | | | | | | | | | | Soil | | | | | |
| | | Transfer Trailer Waste | Lds | Residential | Lds | Commercial | Lds | General Public | Lds | Trash Total | Lds | Weekly | Shredded Green Waste → Erosion Control | Lds | MRF Fines → Protective Cover | Lds | Shredded Green Waste → ADC | Lds | TASW→ ADC | Lds | Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control | Lds | C&D | Lds | Total, tons | Total, loads | Contaminated Soil→Various Uses | Lds | Clean Soil→Various Uses | Lds | Tons | Loads |
| | SUN | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/1/2025 | SAT | | | | | 33.17 | | | | 33.17 | 0 | 33 | | | | | | | | | | | | | - | - | | | | | 33.17 | 0 |
| 3/2/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 3/3/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/4/2025 | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/5/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/6/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/7/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/8/2025 | SAT | | | | | | | | | - | 0 | 0 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/9/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 3/10/2025 | MON | | | | | 45.90 | | | | 45.90 | 0 | | | | | | | | | | | | | | - | - | | | | | 45.90 | 0 |
| 3/11/2025 | TUE | | | | | 3.00 | | | | 3.00 | 0 | | | | | | | | | | | | | | - | - | | | | | 3.00 | 0 |
| 3/12/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/13/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/14/2025 | FRI | | | | | 14.23 | | | | 14.23 | 0 | | | | | | | | | | | | | | - | - | | | | | 14.23 | 0 |
| 3/15/2025 | SAT | | | | | | | | | - | 0 | 63 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/16/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 3/17/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/18/2025 | TUE | | | | | 2.61 | | | | 2.61 | 0 | | | | | | | | | | | | | | - | - | | | | | 2.61 | 0 |
| 3/19/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/20/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/21/2025 | FRI | | | | | 52.96 | | | | 52.96 | 0 | | | | | | | | | | | | | | - | - | | | | | 52.96 | 0 |
| 3/22/2025 | SAT | | | | | | | | | - | 0 | 56 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/23/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 3/24/2025 | MON | | | | | 4.28 | | | | 4.28 | 0 | | | | | | | | | | | | | | - | - | | | | | 4.28 | 0 |
| 3/25/2025 | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/26/2025 | WED | | | | | 3.65 | | | | 3.65 | 0 | | | | | | | | | | | | | | - | - | | | | | 3.65 | 0 |
| 3/27/2025 | THU | | | | | 32.03 | | | | 32.03 | 0 | | | | | | | | | | | | | | - | - | | | | | 32.03 | 0 |
| 3/28/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/29/2025 | SAT | | | | | | | | | - | 0 | 40 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 3/30/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 3/31/2025 | MON | | | | | | | | | - | 0 | 0 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| TOTAL | | - | - | - | - | 191.83 | - | - | - | 191.83 | - | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 191.83 | - |

**Monthly Totals**

| | |
|---|---|
| Water Used for Dust Control & Irrigation, gallons | **566,160** |
| Disposal, tons | **192** |
| Diversion, tons | **-** |
| Soils, tons | **-** |
| Total | **192** |

## Attachment 3

## Leachate Disposal

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| **January 2025** | | | |
| January 1, 2025 | 62,899 | | CCL003836-A,CCL003835-A,CCL003834-A,CCL003833-A,CCL003580-M,CCL003832-A,RAD-198654,CCL003581-M,CCL003831-A,RAD-198656,RAD-198655,CCL003830-A, |
| January 2, 2025 | 344,474 | | 017790912FLE,017790914FLE,017790916FLE,020399080FLE,020268689FLE,020268688FLE,020399079FLE,020398976FLE,CCL003853-A,CCL003852-A,CCL003851-A,CCL003850-A,CCL003849-A,RAD-198680,CCL003848-A,CCLL003847-A,RAD-198679,CCL003846-A,RAD-198678,RAD-198677,CCL003885-A,CCL003845-A,CCL003844-A,CCL003875-A,CCL003843-A,RAD-198601,CCL003870-A,CCL003876-A,RAD-198659,CCL003878-A,CCL003842-A,CCL003841-A,CCL003864-A,CCL003865-A,CCL003866-A,CCL003867-A,RAD-198650,RAD-198641,CCL003868-A,RAD-198643,CCL003871-A,CCL003877-A,CCL003874-A,RAD-198649,CCL003826-A,RAD-198653,CCL003879-A,RAD-198652,CCL003881-A,CCL003882-A,CCL003884-A,CCL003883-A,CCL003888-A,CCL003886-A,CCL003889-A,CCL003890-A,CCL003582-M,CCL003891-A,CCL003840-A,CCL003839-A,CCL003838-A,CCL003837- |
| January 3, 2025 | 261,307 | | RAD-198672,RAD-198694,RAD-198674,RAD-198673,RAD-198681,RAD-198675,RAD-198685,CCL003859-A,RAD-198682,CCL003800-A,CCL003774-A,RAD-198683,RAD-198676,CCL003815-A,020268690FLE,020268691FLE,CCL003812-A,CCL003861-A,CCL003856-A,CCL003814-A,CCL003818-A,CCL003892-A,CCL003807-A,CCL003816-A,CCL003813-A,020398978FLE,CCL003857-A,CCL003862-A,017790914FLE,CCL003860-A,017790915FLE,CCL003893-A,CCL003858-A,CCL003585-M,CCL003811-A,CCL003817-A,CCL003802-A,CCL003810-A,CCL003801-A,CCL003808-A,CCL003903-A,CCL003775-A,017790913FLE,CCL003894-A,CCL003855-A,CCL003854-A,020398977FLE,CCL003809-A, |
| January 4, 2025 | 97,516 | | RAD-198712,CCL003917-A,CCL003898-A,CCL003900-A,CCL003919-A,RAD-198684,CCL003899-A,CCL003901-A,CCL003902-A,CCL001010-M,CCL003799-A,CCL003798-A,CCL003896-A,CCL003897-A,CCL003895-A,CCL003791-A,CCL003790-A,CCL003586-M |
| January 5, 2025 | 73,708 | | D647906,RAD-198689,CCL003792-A,RAD-198690,CCL003588-M,RAD-198718,CCL003796-A,CCL003916-A,CCL003590-M,CCL003918-A,CCL003793-A,CCL003794-A,CCL003797-A,CCL003589-M, |
| January 6, 2025 | 348,942 | | RAD-198715,RAD-198716,RAD-198714,RAD-198691,CCL003594-A,RAD-198709,RAD-198710,CCL003785-A,CCL003779-A,RAD-198717,020398980FLE,CCL003910-A,CCL003804-A,CCL003782-A,CCL003788-A,RAD-198711,RAD-198713,CCL003789-A,CCL003600-M,CCL003778-A,CCL003783-A,CCL000300-X,CCL003905-A,RAD-198688,020268694FLE,CCL003601-M,CCL003912-A,CCL000301-X,CCL003786-A,CCL003584-M,CCL003781-A,020268692FLE,CCL003908-A,CCL000302-X,CCL003909-A,CCL003591-M,020268693FLE,CCL003597-M,017790917FLE,CCL003806-A,CCL003911-A,020399082FLE,CCL000314-X,CCL003777-A,CCL003592-M,CCL003907-A,CCL003780-A,CCL003598-M,RAD-198687,CCL003587-M,CCL003795-A,020268695FLE,RAD-198686,CCL003787-A,020398979FLE,020399081FLE,CCL003920-A,CCL003593-M,CCL003914-A,CCL003906-A,CCL003913-A,CCL003776-A,CCL003803-A,CCL003595-M,CCL003579-M,CCL003596-M,CCL003784-A,CCL003805-A, |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| January 7, 2025 | 332,861 | | RAD-198693,RAD-198698,CCL003938-A,RAD-198708,RAD-198696,CCL003928-A,CCL000298-X,CCL003939-A,CCL003923-A,CCL003940-A,RAD-198705,CCL003934-A,CCL003966-A,CCL003931-A,CCL003968-A,CCL003937-A,CCL003961-A,RAD-198695,CCL003915-A,CCL003962-A,RAD-198700,CCL003599-M,CCL003957-A,CCL003967-A,020268698FLE,020268696FLE,CCL003932-A,CCL003958-A,CCL003963-A,017790944FLE,020268699FLE,CCL003880-A,CCL003927-A,CCL003926-A,020398982FLE,020268697FLE,020398981FLE,CCL003933-A,CCL000311-X,CCL003922-A,RAD-198704,CCL003994-A,CCL003930-A,020399083FLE,CCL003960-A,CCL003965-A,020399084FLE,CCL003959-A,CCL003969-A,CCL003921-A,CCL003935-A,CCL003936-A,CCL000310-X,CCL003929-A,CCL003995-A,CCL003925-A, |
| January 8, 2025 | 311,994 | | 017790919FLE,017790976FLE,020268695FLE,020268702FLE,020268701FLE,020268700FLE,020399086FLE,020399085FLE,020398984FLE,020398983FLE,CCL004038-A,CCL004037-A,CCL004036-A,CCL004035-A,CCL004034-A,CCL004033-A,CCL004032-A,RAD-198743,CCL004031-A,CCL004044-A,RAD-198732,CCL003982-A,CCL003977-A,CCL003616-A,CCL003973-A,CCL000110-B,RAD-198735,CCL003974-A,RAD-198737,RAD-198738,CCL000315-X,CCL003975-A,CCL000312-X,CCL000297-X,RAD-198719,CCL000299-X,RAD-198734,CCL003976-A,RAD-198733,RAD-198739,CCL003979-A,RAD-198702,CCL003980-A,RAD-198703,CCL003981-A,RAD-198701,CCL003983-A,CCL003984-A,CCL003985-A,CCL003986-A,CCL003987-A,CCL003988-A,CCL003989-A,CCL003991-A,CCL003990-A,CCL003992-A,CCL003993-A, |
| January 9, 2025 | 326,705 | | RAD-198727,CCL004045-A,RAD-198728,CCL004046-A,RAD-198729,CCL004043-A,CCL004042-A,CCL004041-A,CCL003594-M,017790921FLE,017790920FLE,017790991FLE,017790990FLE,020399088FLE,020399087FLE,020398986FLE,020398985FLE,CCL003955-A,CCL003576-M,CCL003956-A,CCL003970-A,CCL003971-A,CCL004060-A,CCL003606-M,CCL004059-A,RAD-198755,CCL004058-A,CCL003605-M,CCL004057-A,RAD-198740,CCL000374-X,RAD-198721,CCL003602-M,RAD-198720,CCL004056-A,RAD-198722,CCL004055-A,CCL004054-A,CCL004053-A,CCL000303-X,CCL000109-B,CCL000317-X,CCL000127-B,CCL000313-X,RAD-198724,D647912,RAD-198723,CCL003978-A,CCL004052-A,CCL004051-A,CCL004049-A,CCL004050-A,RAD-198725,CCL004047-A,RAD-198726,CCL004048-A,RAD-198730,CCL004040-A,RAD-198731,CCL004039-A, |
| January 10, 2025 | 263,496 | | 017790971FLE,017790970FLE,017790945FLE,020268706FLE,020268705FLE,020268704FLE,020399090FLE,020399089FLE,020398988FLE,020398987FLE,CCL003611-M,CCL003944-A,CCL003945-A,CCL003947-A,CCL003946-A,CCL003948-A,CCL003609-M,CCL003603-M,CCL003610-M,CCL003608-M,CCL003949-A,CCL004065-A,CCL000373-X,CCL004063-A,CCL000370-X,CCL000365-X,CCL000364-X,RAD-198762,CCL004062-A,RAD-198766,CCL000366-X,RAD-198746,CCL003572-M,RAD-198747,CCL003950-A,RAD-198748,CCL003951-A,CCL004061-A,RAD-198764,CCL003573-M,CCL003952-A,RAD-198749,RAD-198750,CCL003574-M,CCL003575-M,CCL003954-A,CCL003941- |
| January 11, 2025 | 91,060 | | CCL003964-A,CCL004029-A,CCL004004-A,CCL004027-A,CCL004028-A,CCL004026-A,CCL000372-X,CCL004025-A,CCL000361-X,CCL004003-A,CCL004002-A,CCL004001-A,CCL004024-A,CCL004030-A,CCL003942-A,CCL003943-A,CCL004000-A, |
| January 12, 2025 | 86,766 | | CCL003571-M,CCL004023-A,RAD-198736,CCL004009-A,CCL003614-M,RAD-198744,CCL004011-A,CCL004010-A,CCL004008-A,CCL004007-A,RAD-198742,CCL003615-M,RAD-198761,CCL003613-M,RAD-198760,CCL004006-A, |

# *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| January 13, 2025 | 358,331 | | 204,020398990FLE,020268708FLE,020398989FLE,NH6292-205,020399092FLE,017790972FLE,NH6292-206,CCL004090-A,CCL004089-A,CCL004088-A,CCL004087-A,CCL003563-M,CCL004081-A,CCL003562-M,CCL003561-M,RAD-198790,RAD-198791,CCL004080-A,CCL004079-A,CCL004078-A,CCL004077-A,RAD-198792,CCL004076-A,CCL004075-A,CCL000362-X,CCL004074-A,CCL003570-M,CCL004073-A,CCL003568-M,CCL003569-M,RAD-198794,RAD-198793,CCL004072-A,CCL004070-A,CCL000376-X,CCL004069-A,CCL000369-X,CCL000368-X,CCL004068-A,RAD-198795,CCL004066-A,CCL004067-A,RAD-198796,CCL004012-A,RAD-198797,RAD-198798,CCL003607-M,CCL004013-A,CCL004014-A,RAD-198799,CCL004015-A,CCL004016-A,CCL004017-A,CCL004021-A,CCL004018-A,CCL004019-A,RAD-198765,CCL004020-A,CCL003612-M,RAD-198754,CCL004022-A,RAD-198741, |
| January 14, 2025 | 318,184 | | 219,020399094FLE,020268710FLE,020399093FLE,017790993FLE,020398993FLE,020398992FLE,020398991FLE,NH6292-217,020268709FLE,017790992FLE,CCL003685-M,CCL003684-M,CCL004111-A,CCL003683-M,CCL004110-A,CCL004109-A,CCL004103-A,CCL004102-A,CCL003675-M,CCL003674-M,RAD-197010,RAD-197013,RAD-197012,RAD-197014,RAD-197015,RAD-197011,CCL000367-X,RAD-197016,CCL003670-M,CCL003671-M,CCL004098-A,CCL004099-A,RAD-198785,CCL004097-A,CCL004096-A,CCL000360-X,CCL000359-X,CCL003566-M,CCL000348-X,CCL000358-X,RAD-198786,CCL004101-A,RAD-198787,CCL004095-A,RAD-198788,CCL004094-A,CCL004093-A,CCL004086-A,CCL004085-A,RAD-198789,CCL003565-M,CCL004084-A,CCL004082-A,CCL004083-A,CCL004092-A,CCL003564-M,CCL004091-A, |
| January 15, 2025 | 372,995 | | 208,020399096FLE,017790974FLE,020399095FLE,NH6292-214,020268712FLE,017790973FLE,020398995FLE,020398994FLE,NH6292-207,NH6292-213,020268711FLE,CCL003688-M,CCL004134-A,CCL004135-A,CCL004133-A,CCL004132-A,CCL004131-A,CCL003687-M,RAD-197026,CCL003680-M,RAD-197027,CCL004117-A,CCL004130-A,CCL004129-A,CCL003677-M,CCL003678-M,CCL004128-A,RAD-197029,CCL000347-X,CCL000346-X,RAD-197030,CCL004127-A,CCL000356-X,CCL004125-A,CCL000354-X,CCL004124-A,CCL000341-X,RAD-197031,CCL004123-A,CCL004121-A,CCL004122-A,CCL000363-X,RAD-197032,RAD-197033,RAD-197034,CCL004120-A,CCL004119-A,RAD-198757,CCL004118-A,RAD-198756,RAD-198800,CCL004116-A,CCL004108-A,CCL004107-A,RAD-198801,CCL004106-A,RAD-198802,CCL004104-A,CCL004105-A,CCL003672-M,CCL004115-A,CCL003686-M,RAD-198803,CCL004114-A,CCL004113-A,CCL004112-A, |
| January 16, 2025 | 389,375 | | LE,020399099FLE,020399098FLE,020398996FLE,NH6292-216,NH6292-215,NH6292-218,NH6292-212,NH6292-211,NH6292-210,NH6292-209,CCL000345-X,CCL004218-A,CCL004219-A,CCL004222-A,CCL004220-A,CCL004221-A,CCL004224-A,CCL004225-A,CCL004223-A,RAD-198772,CCL004226-A,RAD-198773,CCL004227-A,CCL004228-A,CCL004230-A,RAD-198806,RAD-198805,CCL004229-A,RAD-198804,RAD-198774,CCL004232-A,RAD-197008,RAD-197018,CCL004179-A,CCL000353-X,RAD-197017,CCL004233-A,RAD-197009,CCL003691-M,RAD-197019,RAD-197020,CCL000343-X,CCL004178-A,CCL004177-A,RAD-197021,CCL003690-M,CCL003682-M,RAD-197022,CCL000344-X,CCL004181-A,CCL004180-A,CCL004182-A,RAD-197023,RAD-197024,RAD-197025,CCL004184-A,CCL004185-A,CCL004198-A,CCL004199-A,CCL004200-A,CCL003681-M,CCL004201-A,CCL004186-A,CCL004137-A,CCL004187-A,CCL004136-A,CCL003689-M, |

# *Chiquita Canyon Landfill*
# *Site Generated Leachate and Condensate Disposal*
# *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| January 17, 2025 | 275,739 | | 0202687 16FLE,0202687 15FLE,020399998FLE,020399997FLE,020268605FLE,017790946FLE,017790979FLE,017790978FLE,017790977FLE,NH6292-222,NH6292-221,NH6292-220,CCL004190-A,CCL004192-A,CCL003695-M,CCL004193-A,CCL003700-M,CCL004194-A,CCL004195-A,CCL004196-A,CCL004210-A,CCL004197-A,CCL003694-M,CCL003693-M,CCL000338-X,CCL000337-X,CCL000336-X,CCL004203-A,CCL000351-X,CCL000350-X,CCL004209-A,CCL000357-X,CCL000342-X,CCL000352-X,RAD-198767,CCL004205-A,CCL004206-A,CCL004207-A,RAD-198768,CCL004208-A,RAD-198769,RAD-198770,RAD-198771,CCL004211-A,CCL004212-A,CCL004214-A,CCL004213-A,CCL004231-A,CCL004215-A,CCL004216-A,CCL004217-A, |
| January 18, 2025 | 97,365 | | 017790980FLE,CCL000339-X,CCL003698-M,CCL000326-X,CCL000333-X,CCL000335-X,CCL000334-X,CCL000349-X,RAD-197037,RAD-198758,CCL004172-A,CCL004171-A,CCL004175-A,RAD-198759,CCL000340-X,CCL004191-A,CCL004188-A,CCL003697- |
| January 19, 2025 | 69,959 | | CCL004311-A,CCL003732-M,CCL004142-A,CCL004141-A,CCL003559-M,CCL004140-A,CLL004139-A,CCL004138-A,CCL004157-A,CCL004156-A,CCL004169-A,CCL003560-M,CCL004173-A, |
| January 20, 2025 | 407,866 | | 225,017790981FLE,NH6292-226,017790997FLE,017790996FLE,017790982FLE,020268607FLE,020268606FLE,NH6292-224,020399000FLE,017790995FLE,NH6292-223,01790994FLE,CCL003724-M,CCL004174-A,CCL004170-A,CCL004158-A,CCL004317-A,CCL004316-A,CCL004312-A,RAD-197079,CCL004168-A,CCL004167-A,RAD-197081,CCL004165-A,CCL004164-A,CCL003722-M,RAD-197082,CCL004161-A,CCL004315-A,CCL004314-A,RAD-197083,CCL000319-X,CCL003725-M,CCL004163-A,CCL000323-X,CCL004162-A,CCL003726-M,RAD-197084,RAD-197085,CCL004160-A,CCL003727-M,RAD-197086,CCL000329-X,CCL000330-X,CCL003729-M,CCL004159-A,CCL003728-M,CCL004155-A,CCL004154-A,CCL000332-X,CCL004153-A,CCL004152-A,RAD-197087,CCL004151-A,CCL000331-X,CCL004150-A,RAD-197064,CCL004149-A,RAD-197065,CCL000327-X,RAD-197066,CCL004148-A,RAD-197041,CCL004147-A,RAD-197062,RAD-197063,CCL004146-A,CCL003730-M,CCL003567-M,CCL004145-A,CCL004144-A,CCL003558-M,CCL004310-A,CCL004143- |
| January 21, 2025 | 392,841 | | 230,017791001FLE,017790983FLE,020399002FLE,NH6292-229,020268608FLE,017790999FLE,020399001FLE,017791000FLE,NH6292-228,NH6292-227,020508353FLE,020508362FLE,020508361FLE,020508128FLE,020508129FLE,020508263FLE,020508356FLE,020508374FLE,CCL004343-A,CCL004348-A,CCL004347-A,CCL004346-A,CCL004345-A,CCL003718-M,CCL004344-A,CCL003719-M,CCL003720-M,CCL004342-A,CCL004341-A,CCL004340-A,CCL004339-A,RAD-197075,RAD-197042,CCL004338-A,CCL004336-A,CCL004335-A,CCL004334-A,CCL004337-A,CCL004333-A,CCL004332-A,CCL004329-A,CCL003721-M,CCL004330-A,CCL004331-A,CCL004328-A,RAD-197043,RAD-197067,CCL004327-A,CCL004326-A,CCL004313-A,CCL000321-X,CCL000320-X,CCL000318-X,RAD-197068,CCL004325-A,CCL004324-A,CCL004323-A,RAD-197060,RAD-197059,RAD-197038,RAD-197076,CCL004166-A,CCL004322-A,RAD-197077,CCL004321-A,CCL004320-A,RAD-197078,CCL004319-A,RAD- |
| January 22, 2025 | 181,650 | | RAD-197071,RAD-198782,CCL004298-A,CCL004349-A,RAD-198781,CCL004297-A,RAD-197070,CCL004299-A,RAD-198784,CCL004300-A,RAD-198783,CCL004302-A,CCL004303-A,RAD-197074,CCL004304-A,RAD-197073,CCL004305-A,CCL004306-A,CCL004307-A,CCL004308-A,CCL004309-A,CCL004301-A,020508365FLE,020508373FLE,020508385FLE,020508355FLE,020508264FLE,020399004FLE,020399003FLE,017791004FLE,017791003FLE,NH6292-232,NH6292-231, |

***Chiquita Canyon Landfill***
***Site Generated Leachate and Condensate Disposal***
***2025***

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| January 23, 2025 | 334,338 | 10,360 | LE,020268611FLE,020268610FLE,017791006FLE,017791005FLE,NH6292-236,NH6292-234,NH6292-237,NH6292-233,NH6292-235,020508130FLE,020508358FLE,CCL004277-A,CCL003710-M,RAD-197046,CCL004285-A,CCL004284-A,CCL004283-A,CCL000403-X,CCL004282-A,CCL004281-A,CCL004280-A,CCL003712-M,CCL004279-A,CCL003713-M,CCL003723-M,CCL004286-A,CCL003714-M,CCL004287-A,RAD-198776,CCL004288-A,CCL003715-M,RAD-197072,RAD-197055,RAD-197035,RAD-197056,CCL004289-A,CCL004291-A,CCL004296-A,CCL004290-A,CCL004176-A,RAD-198745,CCL004293-A,CCL004292-A,RAD-198775,CCL004294-A,CCL004295-A,CCL000404-X,RAD-198777,RAD-198778,RAD-198780,RAD-198779,RAD-197039,RAD-197036,RAD-197057,RAD-197058,RAD-197069, 017791012FLE, |
| January 24, 2025 | 330,712 | 5,246 | LE,017791011FLE,017791010FLE,017791009FLE,NH6292-243,NH6292-241,NH6292-240,NH6292-239,NH6292-238,CCL003716-M,020508445FLE,CCL000402-X,CCL004247-A,020508405FLE,020508397FLE,020508396FLE,020508368FLE,RAD-197049,RAD-197107,CCL004238-A,CCL003707-M,CCL004237-A,CCL004236-A,CCL004235-A,CCL003708-M,CCL004234-A,CCL003709-M,CCL004250-A,CCL004251-A,CCL004252-A,CCL004253-A,CCL004254-A,CCL004255-A,CCL004256-A,CCL004259-A,RAD-197051,CCL004260-A,CCL004258-A,RAD-197050,RAD-197048,CCL004261-A,CCL004263-A,CCL004264-A,CCL004262-A,CCL004265-A,CCL004266-A,RAD-197045,RAD-197044,CCL004267-A,CCL004268-A,RAD-197047,CCL003711-M,CCL004269-A,CCL004271-A,CCL004270-A,CCL004278-A,020508369FLE,CCL004272-A,CCL004275-A,CCL004273- |
| January 25, 2025 | 129,360 | | CCL004249-A,CCL004361-A,020508483FLE,CCL004362-A,020508481FLE,020508480FLE,CCL004363-A,CCL004364-A,CCL004365-A,020508367FLE,CCL004245-A,CCL004246-A,CCL000401-X,RAD-197106,CCL000406-X,CCL004244-A,CCL004242-A,CCL004243-A,CCL004241-A,CCL004239-A,CCL004126-A,CCL004240-A,CCL003705- |
| January 26, 2025 | 93,232 | | CCL003554-M,CCL003699-M,RAD-197102,RAD-197101,RAD-197100,CCL004375-A,CCL004376-A,CCL004374-A,RAD-197061,CCL004368-A,CCL004367-A,CCL003702-M,CCL004355-A,CCL003703-M,CCL003704-M,CCL004356-A,CCL004358-A,CCL004359- |
| January 27, 2025 | 362,619 | | 244,017791019FLE,CCL003737-M,020399007FLE,CCL004369-A,NH6292-242,CCL003743-M,CCL003736-M,NH6292-245,020399006FLE,CCL004372-A,CCL003706-M,CCL004450-A,CCL003734-M,CCL004446-A,CCL004444-A,017791020FLE,CCL004442-A,020268620FLE,017791021FLE,020268622FLE,CCL003735-M,CCL004351-A,020508582FLE,CCL003733-M,CCL000400-X,CCL004449-A,CCL004373-A,CCL004353-A,CCL004370-A,020399005FLE,CCL004354-A,020479678FLE,020479638FLE,RAD-197109,CCL003557-M,020508596FLE,CCL003738-M,RAD-197096,CCL004377-A,CCL004451-A,CCL004445-A,017791022FLE,CCL004371-A,CCL004452-A,CCL003739-M,CCL004257-A,017791056FLE,CCL004352-A,RAD-197115,CCL004453-A,CCL004447-A,020268621FLE,CCL004448-A,RAD-197105,CCL003701-M,RAD-197088,RAD-197054,RAD-197053,CCL004443-A,RAD-197095,RAD-197117,RAD-197113,CCL004350-A,RAD-197114,RAD-197052, |

# *Chiquita Canyon Landfill*
# *Site Generated Leachate and Condensate Disposal*
# *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| January 28, 2025 | 379,009 | | 197112,CCL004435-A,CCL004439-A,RAD-197118,RAD-197108,RAD-197111,CCL003741-M,RAD-197089,CCL004431-A,RAD-197132,CCL004418-A,CCL003748-M,CCL004421-A,CCL004423-A,CCL004441-A,CCL004440-A,CCL004426-A,RAD-197090,CCL004430-A,CCL003750-M,020508586FLE,CCL003745-M,CCL003747-M,017791023FLE,CCL004414-A,CCL004432-A,CCL003746-M,CCL004416-A,CCL004420-A,017791024FLE,020268626FLE,020399008FLE,CCL003742-M,CCL004427-A,CCL004436-A,CCL003751-M,020268624FLE,CCL004428-A,017791026FLE,020508398FLE,CCL003740-M,CCL004422-A,CCL004438-A,017791025FLE,020268625FLE,CCL004433-A,CCL004434-A,020479685FLE,CCL004425-A,CCL004437-A,CCL000325-X,CCL003752-M,CCL004429-A,CCL004424-A,017791027FLE,CCL003744-M,CCL004419-A,CCL000398-X,020268623FLE,020479625FLE,CCL000399-X,NH6292- |
| January 29, 2025 | 364,271 | | 197151,RAD-197097,RAD-197129,RAD-197124,RAD-197128,RAD-197104,RAD-197123,RAD-197127,CCL004378-A,RAD-197150,CCL004456-A,020268628FLE,CCL004462-A,CCL004470-A,CCL004458-A,CCL004466-A,020508402FLE,CCL004412-A,017791028FLE,CCL004465-A,020508408FLE,020479672FLE,CCL004380-A,020508409FLE,CCL004383-A,CCL000408-X,020508403FLE,020508584FLE,020508587FLE,017791035FLE,CCL000409-X,CCL004459-A,020268627FLE,CCL004454-A,CCL004467-A,CCL004460-A,CCL004411-A,020479681FLE,CCL004469-A,CCL004471-A,CCL004457-A,CCL004463-A,CCL004413-A,CCL004382-A,020399010FLE,CCL004202-A,017791036FLE,CCL004379-A,017791029FLE,CCL004464-A,CCL004468-A,CCL004455-A,020399009FLE,CCL004473-A,CCL004461-A,CCL000410-X,CCL004381-A,NH6292-254,CCL004472-A,NH6292-251,NH6292-253,NH6292-252, |
| January 30, 2025 | 302,421 | 9,704 | 197139,017791040FLE,017791039FLE,020268630FLE,017791038FLE,017791037FLE,020268629FLE,020268631FLE,CCL004479-A,CCL004480-A,CCL004481-A,CCL004482-A,CCL004483-A,CCL004484-A,CCL004485-A,RAD-197140,CCL004490-A,CCL004486-A,CCL004487-A,RAD-197141,CCL004488-A,RAD-197142,CCL004489-A,CCL004491-A,020479733FLE,CCL000389-X,CCL000378-X,CCL004492-A,020508595FLE,020479682FLE,020508589FLE,CCL004495-A,CCL004496-A,CCL004493-A,RAD-197143,CCL004494-A,CCL000390-X,RAD-197144,CCL004497-A,RAD-197145,CCL004474-A,CCL004475-A,RAD-197146,CCL004476-A,RAD-197147,CCL004477-A,CCL004478-A,RAD-197148,CCL004388-A,RAD-197149,CCL004387-A,CCL004386-A,CCL004389-A,CCL004385-A,CCL004384-A, 017791034FLE, |
| January 31, 2025 | 306,893 | 5,409 | 020268635FLE, 020268634FLE, 020268633FLE, 020268632FLE,020508591FLE,CCL000460-X,CCL003758-M,CCL000453-X,CCL000451-X,CCL000454-X,CCL000455-X,CCL003757-M,CCL000452-X,RAD-197136,CCL004406-A,CCL003756-M,CCL003755-M,CCL004404-A,RAD-197134,CCL000382-X,CCL004403-A,CCL000383-X,CCL000384-X,CCL000385-X,CCL004402-A,CCL000411-X,CCL004401-A,CCL000386-X,020508588FLE,020508592FLE,020479703FLE,020479745FLE,CCL004400-A,RAD-197137,RAD-197091,CCL000387-X,CCL004399-A,CCL000388-X,CCL004398-A,RAD-197092,CCL004394-A,RAD-197135,CCL004393-A,CCL004395-A,CCL004396-A,CCL004392-A,CCL004391-A,020479704FLE,CCL004390-A,CCL004397-A,RAD-197138,RAD-197099,RAD-197120, 017791057FLE |
| | | | |
| | | | |
| | | | |
| **January 2025 Total =** | **8,068,888** | 30,719 | |
| **February 2025** | | | |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| February 1, 2025 | 159,682 | | RAD-197169,RAD-197098,CCL000457-X,CCL000459-X,CCL000456-X,CCL000440-X,RAD-197122,CCL000407-X,CCL003760-M,020479744FLE,020479814FLE,020508583FLE,CCL003753-M,CCL000380-X,CCL003552-M,CCL003553-M,CCL000462-X,CCL000461-X,CCL000458-X,020508594FLE,CCL000438-X,CCL000436-X,CCL000450-X,CCL003555-M,CCL000414-X,CCL000437-X,CCL000413-X,CCL000381-X,CCL003759-M,CCL000379-X, |
| February 2, 2025 | 56,338 | | RAD-197153,RAD-197154,RAD-197152,CCL000470-X,CCL000472-X,CCL000491-X,CCL000510-X,CCL000509-X,CCL003523-M,CCL000397-X, |
| February 3, 2025 | 373,665 | | 197168,CCL000513-X,RAD-197171,CCL000482-X,RAD-197170,RAD-197181,RAD-197173,CCL000474-X,CCL000494-X,CCL000512-X,RAD-197182,CCL000490-X,CCL000477-X,CCL003530-M,CCL000487-X,CCL000471-X,020268636FLE,020479953FLE,CCL000481-X,CCL000483-X,020268639FLE,CCL000488-X,CCL000479-X,020479734FLE,CCL003532-M,CCL000418-X,CCL000485-X,CCL000511-X,CCL000478-X,CCL003528-M,RAD-197172,CCL000415-X,CCL000395-X,CCL000484-X,017791068FLE,CCL000441-X,CCL000486-X,030268640FLE,CCL000442-X,CCL003529-M,CCL003525-M,020399014FLE,020268638FLE,020479883FLE,CCL000394-X,020399015FLE,RAD-197174,017791087FLE,020479874FLE,CCL003526-M,CCL000439-X,CCL003527-M,020479882FLE,CCL000422-X,020268637FLE,CCL000473-X,CCL003531-M,CCL003544-M,CCL000420-X,CCL000492-X,CCL000416-X,CCL003524-M,CCL000419-X,CCL000417-X,CCL000493-X, |
| February 4, 2025 | 334,669 | | 197185,CCL000468-X,RAD-197178,RAD-197180,RAD-197192,RAD-197179,RAD-197161,CCL004410-A,CCL000444-X,020479962FLE,CCL000475-X,020479892FLE,020268641FLE,CCL000464-X,020268644FLE,020479890FLE,CCL004407-A,CCL000466-X,CCL000425-X,020399017FLE,020479891FLE,CCL000443-X,020479885FLE,CCL000447-X,CCL000469-X,CCL000448-X,CCL000445-X,CCL004409-A,CCL000535-X,CCL000424-X,CCL000467-X,CCL000508-X,CCL003761-M,CCL003547-M,CCL003549-M,CCL004405-A,CCL000476-X,CCL000423-X,CCL000426-X,020268642FLE,020399016FLE,CCL000446-X,017791041FLE,017791042FLE,CCL000449-X,CCL003546-M,CCL004408-A,020479735FLE,020268643FLE,CCL003548-M,020479867FLE,CCL000393-X,CCL000465-X,CCL000430-X,CCL003545- |
| February 5, 2025 | 368,803 | | RAD-197186,RAD-197188,RAD-197189,RAD-197155,RAD-197160,CCL000529-X,RAD-197157,RAD-197193,CCL003787-M,RAD-197156,RAD-197162,RAD-197158,RAD-197187,CCL000538-X,RAD-197194,CCL000530-X,CCL000523-X,CCL000505-X,CCL000524-X,020399018FLE,CCL000392-X,020479893FLE,020480011FLE,CCL000522-X,CCL000542-X,CCL000533-X,CCL000520-X,CCL000564-X,CCL000525-X,CCL000539-X,CCL000534-X,CCL003783-M,CCL000566-X,CCL000526-X,RAD-197159,CCL000531-X,020479889FLE,CCL000537-X,CCL000518-X,CCL000532-X,020479998FLE,CCL003785-M,020479881FLE,017791043FLE,020479942FLE,CCL000565-X,CCL000567-X,020268648FLE,CCL000521-X,CCL000527-X,CCL003786-M,020268650FLE,CCL000541-X,CCL000528-X,020268645FLE,CCL003788-M,017791044FLE,017791069FLE,020268647FLE,CCL000391- |

# *Chiquita Canyon Landfill*
# *Site Generated Leachate and Condensate Disposal*
# *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| February 6, 2025 | 329,524 | | RAD-197264,RAD-197266,RAD-197265,RAD-197262,RAD-201012,RAD-197167,RAD-201013,RAD-201014,RAD-197165,CCL000555-X,RAD-197164,RAD-197166,CCL000548-X,CCL000546-X,CCL000517-X,020480001FLE,CCL000556-X,CCL000545-X,CCL000502-X,CCL000563-X,CCL000561-X,CCL000557-X,CCL003790-M,CCL000579-X,CCL000515-X,CCL000514-X,CCL000558-X,CCL000554-X,CCL000551-X,RAD-197163,020479887FLE,020268651FLE,CCL000544-X,020479876FLE,CCL000559-X,020480000FLE,CCL000543-X,CCL000553-X,CCL003784-M,020399022FLE,CCL000549-X,CCL003791-M,CCL000562-X,CCL000552-X,CCL000550-X,CCL000322-X,CCL000547-X,017791045FLE,CCL000516-X,020268652FLE,CCL000497-X,020479875FLE,CCL000580-X,CCL003793-M,CCL000519-X,CCL000578-X,017791046FLE,CCL000501-X,CCL000496-X,CCL000498-X,CCL000503- |
| February 7, 2025 | 377,191 | | RAD-201015,RAD-201016,RAD-201019,RAD-201020,CCL000602-X,RAD-201011,CCL000584-X,CCL000583-X,CCL000577-X,CCL000625-X,RAD-201021,RAD-201018,RAD-201017,CCL000434-X,CCL000597-X,CCL000603-X,CCL000593-X,CCL000599-X,CCL000610-X,RAD-201008,CCL000601-X,CCL000626-X,CCL000507-X,CCL000600-X,020399024FLE,CCL000619-X,CCL000585-X,CCL000582-X,CCL000618-X,020268654FLE,CCL000607-X,020479877FLE,CCL000616-X,CCL000405-X,CCL000605-X,CCL000628-X,CCL000591-X,CCL000595-X,020399025FLE,CCL000588-X,020480010FLE,CCL000617-X,020479878FLE,CCL000589-X,017791047FLE,CCL000592-X,020480012FLE,CCL000421-X,CCL000495-X,017791048FLE,CCL000590-X,020399023FLE,020268653FLE,020479880FLE,CCL003792-M,CCL000627-X,CCL000606-X,CCL000587-X,CCL000412-X,CCL000596-X,CCL000586-X,CCL000598-X,CCL000609-X,CCL000432-X,020480027FLE,CCL003794-M,CCL000435-X,CCL000433-X,CCL000499- |
| February 8, 2025 | 138,172 | | RAD-201022,RAD-197199,RAD-197200,CCL000624-X,CCL000645-X,CCL000620-X,CCL000635-X,CCL000608-X,CCL000642-X,CCL000636-X,CCL000640-X,CCL000644-X,CCL000641-X,CCL000638-X,CCL003797-M,CCL000623-X,020479879FLE,CCL003796-M,CCL003795-M,CCL000646-X,CCL000637-X,CCL000621-X,CCL000622-X,CCL000639-X,CCL000643-X, |
| February 9, 2025 | 55,711 | | RAD-197198,RAD-201025,RAD-197197,CCL000676-X,CCL000658-X,CCL000656-X,CCL000677-X,CCL000675-X,CCL000678-X,CCL003799-M, |
| February 10, 2025 | 296,099 | | RAD-197193,RAD-197201,RAD-197195,RAD-197196,CCL000693-X,RAD-201040,RAD-201041,RAD-201039,CCL000673-X,018765112FLE,CCL000674-X,RAD-201027,CCL000570-X,CCL000572-X,CCL000696-X,CCL000671-X,CCL000690-X,CCL000569-X,CCL000571-X,CCL000681-X,CCL000692-X,CCL000700-X,CCL000688-X,CCL000653-X,CCL000654-X,CCL000693-X,CCL000672-X,018765111FLE,017791088FLE,CCL000699-X,CCL003800-M,CCL003798-M,CCL000698-X,CCL000689-X,020268656FLE,CCL000697-X,CCL000701-X,017791070FLE,020268655FLE,020510156FLE,018765110FLE,CCL000568-X,CCL000694-X,CCL000691-X,CCL000655-X,CCL000612-X,CCL000634-X,CCL000679-X,CCL000613-X,CCL000721-X,020399027FLE,CCL000611-X,CCL000615-X,020399026FLE,CCL000614-X, |
| February 11, 2025 | 358,034 | | RAD-201046,RAD-201047,RAD-201048,RAD-201057,RAD-201054,RAD-201055,RAD-201042,CCL003767-M,CCL000650-X,RAD-201059,RAD-201044,RAD-201049,CCL000683-X,CCL000702-X,CCL000709-X,RAD-201056,020510214FLE,CCL000714-X,CCL000647-X,CCL000686-X,CCL000706-X,CCL000648-X,CCL000705-X,CCL000685-X,CCL000713-X,CCL000684-X,CCL000687-X,CCL000708-X,CCL000710-X,CCL000703-X,020510102FLE,CCL000712-X,CCL003770-M,020480063FLE,020399028FLE,CCL000680-X,CCL000573-X,CCL000704-X,CCL000711-X,CCL000682-X,018765115FLE,CCL000651-X,CCL000715-X,CCL000649-X,017791050FLE,020510158FLE,018765114FLE,020510159FLE,CCL000734-X,017791049FLE,018765116FLE,CCL003771-M,CCL000652-X,018765113FLE,CCL003768-M,020479868FLE,CCL000659-X,020480064FLE,CCL000735-X,CCL000657-X,CCL003772-M,CCL000736-X,CCL003769-M, |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| February 12, 2025 | 370,983 | | RAD-201043,RAD-201045,RAD-201050,CCL000662-X,CCL003779-M,CCL003801-M,RAD-201033,RAD-201036,RAD-201035,RAD-201052,CCL000663-X,CCL000668-X,CCL000719-X,CCL000718-X,CCL000773-X,CCL003764-M,CCL000763-X,CCL000769-X,CCL000764-X,018765118FLE,CCL000664-X,CCL000667-X,CCL000665-X,CCL000776-X,CCL000768-X,CCL000771-X,CCL000775-X,018765119FLE,CCL000770-X,CCL000717-X,CCL000669-X,020510217FLE,018765117FLE,020510248FLE,020510216FLE,CCL000772-X,020510219FLE,CCL000765-X,020510160FLE,CCL003762-M,CCL003778-M,CCL000670-X,020510215FLE,CCL003765-M,020510285FLE,CCL000766-X,CCL003766-M,017791051FLE,CCL000604-X,CCL003776-M,CCL000774-X,CCL000720-X,020510288FLE,CCL000716-X,018765120FLE,020399029FLE,CCL000666-X,CCL000767- |
| February 13, 2025 | 322,746 | | RAD-201087,RAD-201030,RAD-201062,CCL000752-X,RAD-201028,018765123FLE,RAD-201026,CCL000799-X,CCL000753-X,CCL000760-X,CCL000759-X,020510286FLE,CCL000743-X,CCL000762-X,CCL003803-M,CCL003773-M,CCL000633-X,CCL000797-X,020510318FLE,CCL000756-X,CCL003780-M,CCL000661-X,020510220FLE,CCL000631-X,CCL000755-X,CCL003817-M,020510320FLE,CCL000750-X,CCL000632-X,CCL003775-M,CCL000786-X,018765124FLE,017791053FLE,CCL000783-X,CCL000758-X,018765122FLE,CCL000751-X,CCL003763-M,017791054FLE,020399030FLE,020510287FLE,CCL000754-X,CCL000784-X,CCL000757-X,CCL003818-M,CCL003774-M,CCL000660-X,CCL003551-M,020480067FLE,CCL000761-X,CCL000745-X,CCL000630- |
| February 14, 2025 | 347,804 | | RAD-201076,RAD-201078,RAD-201069,RAD-201071,RAD-201064,CCL000792-X,020510321FLE,CCL000798-X,CCL000872-X,CCL000855-X,RAD-201068,CCL000843-X,CCL000844-X,CCL000820-X,CCL000744-X,CCL000781-X,CCL000818-X,CCL000795-X,CCL000865-X,CCL003810-M,CCL000789-X,CCL000749-X,CCL000748-X,CCL000746-X,CCL000871-X,CCL003812-M,CCL000787-X,CCL000819-X,CCL000791-X,018765213FLE,CCL000916-X,CCL000790-X,20510400FLE,CCL000793-X,CCL003816-M,CCL000873-X,CCL000785-X,CCL000874-X,CCL000875-X,CCL000747-X,018765211FLE,CCL000796-X,018765127FLE,CCL000815-X,CCL000842-X,20510326FLE,CCL000864-X,020399032FLE,CCL000876-X,CCL000788-X,CCL003811-M,CCL003815-M,CCL000794-X,018765126FLE,018765125FLE,CCL000738-X,CCL000739-X,020399031FLE,018765212FLE,CCL000817-X, |
| February 15, 2025 | 110,226 | | RAD-201067,RAD-201065,RAD-201072,CCL000914-X,CCL000853-X,RAD-201066,020510409FLE,CCL000917-X,CCL000919-X,CCL000912-X,CCL003808-M,CCL000915-X,CCL000918-X,020510408FLE,CCL003809-M,CCL003813-M,CCL000909-X,020480070FLE,CCL000854-X,CCL003807- |
| February 16, 2025 | 92,032 | | RAD-201079,RAD-201082,RAD-201088,CCL000860-X,CCL000862-X,CCL000861-X,CCL000907-X,CCL000913-X,CCL000863-X,CCL000910-X,CCL000911-X,CCL003806-M,CCL000859-X,CCL000908-X,CCL003827-M,CCL003805-M,CCL003804-M, |

# *Chiquita Canyon Landfill*
# *Site Generated Leachate and Condensate Disposal*
# *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| February 17, 2025 | 388,722 | | 201103,RAD-201085,RAD-201081,CCL000847-X,CCL000900-X,020510538FLE,RAD-201105,CCL000882-X,RAD-201102,RAD-201104,CCL000894-X,CCL000901-X,CCL000899-X,CCL000897-X,CCL000850-X,CCL000887-X,CCL000896-X,CCL000857-X,CCL000888-X,CCL003824-M,020399033FLE,CCL000852-X,CCL000880-X,CCL000902-X,CCL000858-X,018765128FLE,CCL000856-X,CCL000849-X,CCL003826-M,CCL000868-X,RAD-201083,CCL000867-X,CCL000869-X,CCL000851-X,020510512FLE,CCL003822-M,018765129FLE,01876513FLE,CCL000895-X,CCL000881-X,CCL000846-X,CCL000878-X,CCL003823-M,CCL000778-X,CCL000877-X,CCL000892-X,CCL003821-M,CCL003825-M,020510504-FLE,020399034FLE,017791073FLE,CCL000898-X,CCL000893-X,CCL000848-X,20510509FLE,CCL000870-X,CCL000866-X,CCL000879-X,020510506FLE,CCL000727-X,CCL000725-X,CCL000722-X,CCL000733-X,CCL000742-X,CCL000732-X,CCL000740-X,CCL000741-X, |
| February 18, 2025 | 357,436 | | 201097,RAD-201132,RAD-201095,CCL000956-X,RAD-201131,CCL000905-X,CCL000891-X,CCL000926-X,CCL000958-X,CCL000963-X,CCL000931-X,RAD-201107,RAD-201093,RAD-201086,CCL000890-X,RAD-201092,CCL000920-X,CCL000885-X,CCL000967-X,CCL000960-X,CCL000730-X,CCL000955-X,CCL000959-X,CCL000845-X,CCL000962-X,CCL000903-X,CCL000969-X,CCL00964-X,CCL000884-X,CCL000927-X,020399035FLE,CCL000970-X,CCL000925-X,020510359FLE,CCL000906-X,018765214FLE,CCL000968-X,018765132FLE,CCL000965-X,CCL000886-X,CCL000889-X,CCL000930-X,020510505FLE,CCL000904-X,018765134FLE,018765131FLE,020510503FLE,018765216FLE,CCL000929-X,018765133FLE,018765215FLE,CCL000932-X,018765135FLE,CCL000883-X,CCL000961-X,CCL000731-X,CCL000724-X,CCL000726-X,CCL000723-X,CCL000837-X,CCL000838-X,CCL000816-X, |
| February 19, 2025 | 415,158 | | 201123,RAD-201140,RAD-201122,RAD-201121,RAD-201126,CCL003828-M,RAD-201120,RAD-201125,RAD-201136,CCL000978-X,020510580FLE,CCL000922-X,CCL000981-X,RAD-201116,CCL000979-X,CCL000986-X,CCL000989-X,020510574FLE,CCL000924-X,018765139FLE,CCL003830-M,CCL000984-X,020507105FLE,CCL000974-X,CCL000831-X,CCL000928-X,018765138FLE,CCL000988-X,CCL000975-X,020507106FLE,CCL000923-X,020510581FLE,CCL000977-X,CCL000973-X,020507103FLE,CCL000990-X,020507102FLE,CCL000982-X,CCL000985-X,020507104FLE,018765218FLE,CCL000840-X,CCL000921-X,CCL000980-X,018765137FLE,CCL000976-X,CCL000983-X,020510579FLE,CCL000987-X,CCL003831-M,018765217FLE,020479869FLE,018765140FLE,CCL003820-M,CCL003829-M,018765136FLE,CCL000972-X,CCL000971-X,CCL003833-M,020399036FLE,CCL000834-X,CCL000827-X,CCL000829-X,CCL000841-X,CCL000833-X,CCL000828-X,CCL000728-X,CCL000832-X,CCL000835- |
| February 20, 2025 | 393,566 | | 201090,RAD-201094,RAD-201119,CCL003839-M,CCL000949-X,CCL000939-X,RAD-201138,CCL003834-M,020507155FLE,RAD-201139,CCL000997-X,CCL001032-X,CCL000948-X,CCL000935-X,CCL000940-X,CCL003840-M,CCL001028-X,CCL000947-X,CCL003836-M,CCL001030-X,CCL003501-M,CCL001027-X,CCL000945-X,018765143FLE,CCL000951-X,CCL000941-X,CCL003841-M,CCL000936-X,CCL000946-X,CCL003503-M,CCL001037-X,CCL001029-X,CCL000942-X,CCL000937-X,CCL000999-X,CCL000954-X,CCL003837-M,CCL000823-X,020507145FLE,020510508FLE,020507130FLE,CCL000943-X,CCL000952-X,018765142FLE,018765219FLE,CCL000934-X,CCL003838-M,CCL000933-X,018765220FLE,CCL000944-X,018765141FLE,017791074FLE,018765145FLE,CCL000996-X,CCL001038-X,020399038FLE,CCL001014-X,CCL003835-M,CCL001000-X,CCL000998-X,CCL001001-X,CCL000824-X,CCL001003-X,CCL001013-X,CCL000826-X,CCL000825-X,020399037FLE,018765144FLE,CCL001008- |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| February 21, 2025 | 319,573 | | [illegible],RAD-201157,RAD-201154,CCL001062-X,CCL001084-X,CCL001087-X,RAD-201155,RAD-201115,RAD-201089,CCL001063-X,CCL001089-X,CCL001081-X,RAD-201147,CCL001060-X,RAD-201111,CCL001034-X,CCL001033-X,CCL001066-X,CCL001082-X,CCL000993-X,CCL001035-X,020507307FLE,CCL001080-X,CCL001036-X,CCL003502-M,020507203FLE,CCL000992-X,CCL000950-X,CCL001078-X,CCL001011-X,018765148FLE,CCL001064-X,CCL001061-X,020507202FLE,020507157FLE,CCL001083-X,CCL001071-X,018765146FLE,020399039FLE,CCL001086-X,018765222FLE,018765221FLE,018765149FLE,CCL001085-X,CCL003504-M,020399040FLE,CCL001077-X,018765147FLE,CCL00994-X,CCL001075-X,CCL001076-X,CCL001009-X,CCL001012-X,CCL001074-X,CCL001002-X,CCL001079-X, |
| February 22, 2025 | 143,346 | | RAD-201158,RAD-201135,RAD-201134,CCL001068-X,CCL001041-X,CCL001065-X,CCL001070-X,CCL001090-X,020507327FLE,CCL001067-X,CCL001040-X,CCL003782-M,020507326FLE,CCL001069-X,CCL003534-M,CCL003541-M,CCL001093-X,CCL001044-X,CCL001042-X,CCL001091-X,CCL003543-M,CCL003535-M,CCL001043-X,CCL003533-M,CCL001039-X,CCL003542-M, |
| February 23, 2025 | 72,796 | | RAD-201144,RAD-201146,CCL001024-X,RAD-201145,CCL003538-M,CCL001015-X,CCL001023-X,CCL000938-X,CCL003537-M,CCL001022-X,CCL003536-M,020507401FLE,CCL001025-X, |
| February 24, 2025 | 392,341 | | [illegible],RAD-201143,RAD-201164,RAD-201179,4050-00009,4050-00007,4050-00019,4050-00016,CCL003505-M,4050-00006,4050-00017,RAD-201163,4050-00014,CCL003819-M,4050-00015,4050-00010,4050-00023,CCL001026-X,4050-00002,020507445FLE,CCL003539-M,CCL001092-X,CCL001018-X,4050-00018,020507409FLE,CCL001020-X,CCL003540-M,CCL001021-X,4050-00001,020507354FLE,CCL003506-M,4050-00013,CCL003508-M,4050-00003,4050-00024,CCL003781-M,CCL001016-X,4050-00011,CCL001019-X,CCL001058-X,4050-00005,4050-00008,CCL001006-X,CCL000995-X,018765151FLE,4050-00021,CCL000821-X,4050-00020,020507394FLE,4050-00012,4050-00004,CCL003842-M,CCL003507-M,4050-00022,CCL001017-X,017791090FLE,020399041FLE,020399042FLE,CCL003843-M,018765150FLE,CCL000822-X,CCL000991-X,CCL001072-X,CCL001073-X,CCL001007-X,CCL001010-X,CCL001059-X,CCL001004-X,CCL001005- |
| February 25, 2025 | 446,861 | | [illegible],RAD-201177,RAD-201159,RAD-201183,CCL000801-X,RAD-201176,RAD-201161,RAD-201169,4050-00046,RAD-201168,020507412FLE,4050-00030,4050-00025,4050-00049,4050-00050,4050-00034,4050-00027,CCL003854-M,4050-00026,4050-00047,4050-00040,4050-00032,020507410FLE,020507400FLE,4050-00033,CCL000803-X,4050-00042,CCL003855-M,CCL001048-X,017791075FLE,4050-00052,4050-00029,4050-00048,4050-00039,4050-00028,4050-00036,018765157FLE,CCL003846-M,020507447FLE,4050-00051,4050-00043,4050-00045,CCL001054-X,018765155FLE,4050-00044,4050-00054,020507402FLE,4050-00038,020507355FLE,018765158FLE,CCL003847-M,018765153FLE,020507492FLE,018765154FLE,018765224FLE,4050-00053,4050-00041,CCL003848-M,018765223FLE,4050-00035,CCL000800-X,CCL001057-X,CCL001046-X,018765152FLE,4050-00037,4050-00065,CCL001051-X,CCL001047-X,CCL001055-X,4050-00064,020399043FLE,CCL001056-X,CCL001050-X,4050-00031,4050- |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| February 26, 2025 | 336,661 | | RAD-201165,RAD-201200,RAD-201207,RAD-201196,RAD-201193,RAD-201170,RAD-201192,RAD-201171,RAD-201199,RAD-201173,RAD-201133,RAD-201184,RAD-201191,RAD-201197,4050-00077,RAD-201195,4050-00086,4050-00100,RAD-201198,4050-00059,4050-00076,4050-00083,4050-00079,4050-00058,4050-00066,4050-00082,4050-00080,4050-00074,020507461FLE,020507500FLE,020507462FLE,4050-00099,020507107FLE,4050-00084,4050-00081,018765161FLE,4050-00072,018765162FLE,018765165FLE,020507407FLE,4050-00085,4050-00056,4050-00055,4050-00071,018765159FLE,4050-00101,4050-00060,4050-00061,020399045FLE,020399044FLE,018765226FLE,018765163FLE,018765160FLE,018765225FLE,4050-00073,4050-00093,018765164FLE,4050- |
| February 27, 2025 | 249,333 | | RAD-201201,RAD-201190,RAD-201189,RAD-201188,4050-00096,RAD-201200,RAD-201187,4050-00102,RAD-201186,RAD-201153,RAD-201152,4050-00091,RAD-201202,4050-00114,4050-00106,4050-00092,4050-00121,4050-00104,4050-00120,4050-00090,CCL003521-M,4050-00087,4050-00094,CCL003851-M,4050-00105,4050-00098,4050-00089,4050-00095,4050-00088,4050-00103,CCL003895-M,CCL003853-M,018765167FLE,018765168FLE,CCL003852-M,020399046FLE,4050-00097,018765228FLE,CCL003850-M,4050-00123,4050-00107,018765169FLE,018765227FLE,018765170FLE,4050-00108, |
| February 28, 2025 | 271,245 | | RAD-201150,RAD-201194,RAD-201149,RAD-201148,RAD-201203,RAD-201209,RAD-201204,RAD-201208,4050-00136,4050-00127,RAD-201165,4050-00109,4050-00124,4050-00122,4050-00125,4050-00113,4050-00128,RAD-201167,RAD-201205,4050-00132,4050-00115,RAD-201151,4050-00112,4050-00135,4050-00133,4050-00145,4050-00130,4050-00131,4050-00141,4050-00116,018765171FLE,4050-00142,CCL003890-M,4050-00149,4050-00134,CCL003893-M,4050-00129,4050-00126,4050-00117,4050-00119,CCL003891-M,CCL003520-M,017791091FLE,CCL003894-M,018765172FLE,4050-00111,CCL003892- |
| | | | |
| | | | |
| **February 2025 Total =** | 7,878,717 | - | |

# *Chiquita Canyon Landfill*
# *Site Generated Leachate and Condensate Disposal*
# *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| **March 2025** | | | |
| March 1, 2025 | 90,897 | | 4050-00151,4050-00150,CCL003887-M,CCL003888-M,CCL003889-M,4050-00140,RAD-201213,RAD-201212,RAD-201211,4050-00139,4050-00137,RAD-201210,4050-00146,4050-00147,4050-00143,4050-00144, |
| March 2, 2025 | 54,821 | | CCL003897-M,4050-00153,CCL003896-M,RAD-201216,CCL003882-M,CCL003883-M,4050-00152,4050-00148,CCL003884-M,RAD-201215, |
| March 3, 2025 | 265,257 | | M,4050-00189,4050-00190,4050-00188,4050-00205,4050-00195,4050-00194,CCL003901-M,4050-00193,CCL003886-M,4050-00192,4050-00191,4050-00186,4050-00184,CCL003900-M,4050-00185,RAD-201245,4050-00183,4050-00182,4050-00181,4050-00179,4050-00178,CCL003899-M,RAD-201246,RAD-201247,4050-00177,4050- |
| March 4, 2025 | 323,930 | | 018765183FLE,018765182FLE,018765181FLE,018765180FLE,018765179FLE,018765178FLE,018765177FLE,RAD-201229,4050-00300,4050-00229,4050-00228,4050-00227,4050-00226,RAD-201249,4050-00225,RAD-201221,4050-00302,4050-00206,4050-00220,4050-00219,RAD-201250,RAD-201233,4050-00215,4050-00216,RAD-201234,4050-00171,4050-00196,RAD-201252,4050-00197,CCL003907-M,CCL003905-M,CCL003904-M,4050-00198,RAD-201253,4050-00180,RAD-201254,4050-00199,CCL003903-M,RAD-201236,RAD-201235,4050-00200,4050-00201,RAD-201239,RAD-201238,RAD-201237,CCL003906-M,4050-00208,RAD-201240,4050-00207,RAD-201241,RAD-201242,4050-00202,RAD-201243,4050-00203,RAD-201244,4050-00187,4050- |
| March 5, 2025 | 250,811 | | 018765188FLE,018765187FLE,018765186FLE,018765185FLE,018765184FLE,4050-00314,RAD-201225,4050-00303,4050-00316,4050-00313,CCL003928-M,4050-00210,4050-00315,CCL003929-M,CCL003930-M,4050-00312,RAD-201226,4050-00311,4050-00310,4050-00309,RAD-201227,4050-00308,4050-00307,4050-00306,4050-00305,4050-00304,RAD-201230,4050-00212,RAD-201231,4050-00211,4050-00213,RAD-201232,4050-00214,4050-00217,4050-00218,RAD-201251,4050-00224,4050-00222,4050-00223,RAD-201228,4050-00221,4050-00165,4050- |
| March 6, 2025 | 339,507 | | 018765194FLE,018765193FLE,018765192FLE,018765191FLE,018765190FLE,018765189FLE,CCL004518-A,CCL004517-A,CCL004519-A,CCL004520-A,CCL003913-M,CCL004521-A,CCL004522-A,CCL004523-A,CCL004529-A,CCL004528-A,CCL004530-A,RAD-201275,CCL003912-M,CCL004513-A,CCL003911-M,RAD-201276,CCL004514-A,RAD-201255,RAD-201268,CCL004507-A,CCL004515-A,CCL003910-M,CCL004508-A,CCL004505-A,CCL003923-M,CCL003924-M,CCL003922-M,RAD-201256,CCL003909-M,CCL004506-A,RAD-201257,CCL004504-A,RAD-201258,RAD-201269,CCL003925-M,CCL004502-A,CCL004503-A,CCL004509-A,CCL004510-A,RAD-201270,RAD-201271,CCL004512-A,RAD-201272,CCL004511-A,RAD-201264,4050-00340,RAD-201222,4050-00321,4050-00320,CCL003908-M,RAD-201223,4050-00319,CCL003926-M,4050-00318,RAD-201224,4050-00317,CCL003927-M, |
| March 7, 2025 | 287,283 | | 018765199FLE,018765198FLE,018765197FLE,018765196FLE,018765195FLE,018765194FLE,018765193FLE,CCL003914-M,CCL004564-A,CCL004563-A,CCL004541-A,CCL004562-A,CCL003881-M,CCL004561-A,CCL004560-A,CCL004559-A,CCL004558-A,CCL004557-A,CCL004556-A,CCL004555-A,CCL004554-A,RAD-201280,RAD-201279,CCL004540-A,CCL004542-A,CCL003920-M,CCL003919-M,RAD-201214,CCL004543-A,CCL003918-M,CCL003917-M,CCL004525-A,CCL004526-A,RAD-201267,RAD-201261,RAD-201260,CCL004545-A,CCL004527-A,CCL004544-A,CCL004546-A,CCL004547-A,RAD-201259,CCL003916-M,CCL004548-A,RAD-201273,RAD-201274,CCL004549-A,CCL004550-A,CCL004551-A,CCL004552- |
| March 8, 2025 | 115,069 | | CCL004592-A,CCL004593-A,CCL003509-M,CCL004594-A,CCL004595-A,RAD-201288,CCL004575-A,CCL004574-A,RAD-201263,RAD-201266,CCL004573-A,CCL004572-A,CCL004571-A,CCL004570-A,CCL003880-M,CCL004568-A,RAD-201265,CCL004567-A,RAD- |
| March 9, 2025 | 71,596 | | RAD-201284,CCL004606-A,CCL004607-A,CCL003515-M,CCL004608-A,RAD-201283,CCL004587-A,CCL003514-M,CCL003513-M,CCL004588-A,CCL004589-A,CCL004569-A,CCL004590-A, |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| March 10, 2025 | 298,312 | | M,CCL004536-A,CCL004537-A,RAD-201302,CCL004538-A,CCL004539-A,CCL004609-A,CCL004610-A,CCL004611-A,CCL004612-A,CCL004613-A,CCL004614-A,RAD-201303,CCL004615-A,CCL004576-A,RAD-201304,CCL004524-A,CCL003875-M,RAD-201305,CCL004577-A,CCL004582-A,CCL004578-A,CCL004579-A,CCL003519-M,CCL003511-M,CCL003518-M,CCL004580-A,RAD-201306,CCL004583-A,CCL004581-A,RAD-201278,CCL003510-M,CCL004584-A,CCL004585-A,CCL003517-M,CCL004586-A,CCL004597-A,CCL004596-A,RAD-201277,CCL004598-A,RAD-201262,RAD-201282,CCL004600-A,RAD-201287,CCL004599-A,CCL004601-A,CCL003512-M,CCL004602-A,CCL004603-A,CCL004604-A,CCL004605-A, |
| March 11, 2025 | 298,179 | | A,CCL004628-A,CCL004632-A,CCL004633-A,CCL004634-A,CCL004635-A,CCL004636-A,CCL004637-A,CCL004638-A,CCL004639-A,RAD-201319,CCL004640-A,CCL004641-A,CCL004642-A,CCL004645-A,RAD-201324,CCL004643-A,CCL004644-A,CCL004646-A,CCL004647-A,CCL004648-A,CCL004649-A,CCL004650-A,CCL004651-A,CCL004652-A,CCL004655-A,RAD-201290,CCL004656-A,RAD-201289,CCL004657-A,RAD-201295,RAD-201296,RAD-201297,CCL004653-A,CCL004658-A,CCL004654-A,RAD-201298,CCL004659-A,RAD-201299,CCL004660-A,CCL004662-A,CCL004661-A,CCL004663-A,CCL004531-A,CCL004532-A,CCL004533-A,RAD-201300,CCL004534-A,CCL004535-A,RAD-201301, |
| March 12, 2025 | 321,897 | | LE,018765208FLE,018765207FLE,CCL003932-M,CCL004687-A,CCL003931-M,CCL004686-A,CCL004685-A,RAD-201329,CCL004684-A,CCL004683-A,CCL004681-A,CCL004680-A,CCL004679-A,CCL003921-M,CCL003879-M,RAD-201328,RAD-201314,CCL003938-M,RAD-201286,CCL004622-A,RAD-201285,RAD-201307,CCL003937-M,CCL003936-M,CCL004678-A,CCL003935-M,CCL004675-A,CCL004677-A,RAD-201294,CCL004676-A,CCL004616-A,CCL004617-A,RAD-201293,CCL004618-A,CCL004619-A,RAD-201292,RAD-201316,CCL004620-A,RAD-201315,RAD-201323,RAD-201317,RAD-201320,RAD-201321,CCL004621-A,RAD-201322,CCL004623-A,CCL004624-A,CCL004625-A,CCL004626-A,CCL004627-A,CCL004631- |
| March 13, 2025 | 286,413 | | LE,CCL004706-A,CCL004741-A,CCL004707-A,CCL004708-A,CCL004709-A,CCL004733-A,CCL004740-A,CCL004738-A,CCL004736-A,CCL004735-A,CCL004724-A,CCL004734-A,RAD-201334,RAD-201335,CCL004732-A,CCL004731-A,CCL004729-A,RAD-201336,RAD-201337,CCL004728-A,CCL004730-A,RAD-201339,CCL004667-A,CCL004727-A,CCL003958-M,RAD-201338,CCL004726-A,CCL003957-M,CCL003956-M,CCL003878-M,CCL003934-M,CCL003933-M,CCL003876-M,CCL004725-A,RAD-201313,RAD-201308,CCL004690-A,CCL004723-A,CCL004722-A,RAD-201332,RAD-201325,CCL004689-A,RAD-201331,CCL004688-A,CCL004668-A,RAD-201330,CCL003877-M, |
| March 14, 2025 | 238,193 | | LE,CCL004695-A,CCL004693-A,CCL004694-A,CCL004696-A,CCL004697- |
| March 15, 2025 | 65,820 | | CCL004745-A,CCL004744-A,CCL004742-A,CCL004665-A,CCL004664-A,CCL004673-A,CCL004672-A,CCL004674-A,CCL004671-A,CCL004670-A,CCL004669-A,CCL004691-A, |
| March 16, 2025 | 100,213 | | A,CCL004751-A,CCL004752-A,CCL003960-M,RAD-201351,RAD- |
| March 17, 2025 | 295,676 | | LE,CCL003966-M,CCL003885-M,CCL004794-A,CCL004796-A,CCL004797- |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| March 18, 2025 | 327,985 | | LE,018765407FLE,017791100FLE,017791099FLE,CCL004862-A,CCL004859-A,CCL004863-A,CCL004864-A,CCL004865-A,CCL004887-A,CCL004826-A,CCL004825-A,CCL004824-A,RAD-201369,CCL004820-A,RAD-201370,CCL004807-A,RAD-201371,RAD-201372,RAD-201373,CCL004823-A,CCL004822-A,RAD-201381,CCL004851-A,CCL004821-A,CCL004850-A,CCL004849-A,CCL004848-A,RAD-201375,RAD-201377,RAD-201376,RAD-201378,RAD-201379,CCL004847-A,RAD-201380,CCL004844-A,RAD-201374,CCL004846-A,CCL004845-A,RAD-201357,RAD-201358,CCL004843-A,RAD-201359,CCL004842-A,RAD-201360,CCL004841-A,CCL004840-A,CCL004839-A,CCL004790-A,CCL004838-A,CCL004791-A,CCL004792-A,RAD-201361,CCL004793- |
| March 19, 2025 | 269,315 | | LE,018765409FLE,RAD-201385,CCL004829-A,CCL004828-A,CCL004827- |
| March 20, 2025 | 353,983 | | LE,017791076FLE,018765231FLE,018765105FLE,CCL003940-M,RAD-201401,CCL004900-A,CCL004901-A,CCL004902-A,CCL004903-A,CCL004905-A,CCL004906-A,CCL004009-M,CCL004008-M,CCL004907-A,CCL004908-A,CCL004909-A,RAD-201400,CCL004910-A,CCL004911-A,RAD-201403,RAD-201402,CCL004914-A,RAD-201404,CCL004913-A,CCL004007-M,CCL004006-M,CCL004003-M,CCL004005-M,RAD-201405,CCL004004-M,RAD-201406,CCL004912-A,RAD-201408,RAD-201407,CCL004915-A,CCL004916-A,CCL004917-A,RAD-201390,CCL004918-A,CCL004002-M,CCL004001-M,RAD-201391,CCL004835-A,RAD-201389,CCL004919-A,RAD-201388,CCL003939-M,CCL004836-A,RAD-201383,CCL004834-A,CCL003944-M,CCL004832-A,CCL003970-M,CCL004833-A,RAD- |
| March 21, 2025 | 276,703 | | A,018765462FLE,018765461FLE,018765358FLE,018765357FLE,018765234FLE,018765233FLE,018765232FLE,018765330FLE,018765412FLE,018765411FLE,CCL004771-A,CCL004773-A,CCL004774-A,CCL004775-A,CCL004777-A,CCL004778-A,CCL004779-A,CCL004780-A,CCL004782-A,CCL004781-A,CCL004783-A,CCL004784-A,CCL004785-A,RAD-201393,CCL004786-A,CCL004787-A,RAD-201394,CCL004788-A,RAD-201395,CCL004789-A,CCL004837-A,CCL004888-A,CCL004889-A,RAD-201366,CCL004010-M,CCL004890-A,CCL004891-A,RAD-201396,CCL004892-A,CCL004893-A,CCL004894-A,RAD-201397,CCL004895-A,CCL004904-A,RAD-201399,CCL004896-A,CCL004897-A,CCL004898-A,CCL004899-A,RAD-201398, |
| March 22, 2025 | 83,486 | | CCL004765-A,017791077FLE,CCL004929-A,RAD-201392,RAD-201410,CCL004922-A,CCL004923-A,CCL004920-A,CCL004924-A,CCL004766-A,CCL004767-A,CCL004768-A,RAD-201409,CCL004769- |
| March 23, 2025 | 88,965 | | 201412,CCL004945-A,CCL004944-A,CCL004925-A,CCL004013-M,CCL004012-M,CCL004011-M,CCL004926-A,CCL004776-A,RAD- |
| March 24, 2025 | 299,816 | | LE,018765413FLE,CCL004931-A,CCL004935-A,CCL004932-A,CCL004942-A,CCL004941-A,RAD-201432,CCL004940-A,CCL004930-A,CCL004939-A,CCL004936-A,CCL004949-A,CCL004955-A,RAD-201433,CCL004938-A,CCL004020-M,RAD-201414,RAD-201437,CCL004937-A,CCL004943-A,RAD-201434,RAD-201435,CCL004950-A,CCL004951-A,CCL004952-A,CCL004953-A,RAD-201436,CCL004954-A,CCL004018-M,CCL004017-M,CCL004956-A,CCL004957-A,CCL004958-A,CCL004959-A,CCL004016-M,RAD-201419,CCL004960-A,CCL004961-A,CCL004962-A,CCL004963-A,RAD-201418,CCL004964-A,RAD-201417,CCL004965-A,CCL004015-M,CCL004966-A,CCL004967-A,RAD-201416,CCL004948-A, |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| March 25, 2025 | 330,481 | | LE,018765415FLE,017791078FLE,018765235FLE,CCL005018-A,CCL005017-A,CCL005016-A,CCL005015-A,CCL005014-A,CCL005013-A,CCL005012-A,CCL005035-A,CCL005009-A,CCL005011-A,CCL005010-A,RAD-201449,RAD-201450,CCL005008-A,CCL005006-A,RAD-201451,CCL005005-A,RAD-201452,CCL005043-A,RAD-201453,CCL005004-A,CCL005003-A,CCL005002-A,CCL005046-A,CCL005047-A,CCL005045-A,RAD-201454,CCL005044-A,RAD-201455,CCL005042-A,CCL005041-A,RAD-201429,CCL005040-A,CCL005039-A,RAD-201430,CCL005038-A,CCL005037-A,CCL005036-A,RAD-201446,CCL005034-A,RAD-201447,CCL005001-A,RAD-201448,CCL005000-A,CCL005033-A,CCL005032-A,CCL005031- |
| March 26, 2025 | 253,146 | | LE,018765417FLE,CCL005064-A,CCL005063-A,RAD-201471,CCL005062- |
| March 27, 2025 | 326,646 | | LE,018765419FLE,018765236FLE,RAD-201461,CCL004985-A,CCL004921-A,CCL004982-A,CCL003948-M,CCL003947-M,CCL004981-A,CCL004980-A,CCL004979-A,CCL004978-A,RAD-201457,CCL004977-A,CCL004976-A,CCL004023-M,RAD-201458,RAD-201460,RAD-201459,CCL004022-M,RAD-201462,RAD-201463,RAD-201465,CCL004973-A,CCL004972-A,CCL004971-A,CCL004021-M,CCL005029-A,CCL004970-A,CCL004969-A,CCL004968-A,CCL005030-A,CCL005080-A,CCL004019-M,CCL005079-A,RAD-201464,CCL005077-A,CCL005078-A,CCL005076-A,RAD-201466,CCL005075-A,CCL005074-A,RAD-201467,CCL005073-A,CCL005072-A,CCL005071-A,CCL005070-A,RAD-201468,RAD-201469,CCL005049-A,CCL005069-A,CCL005068-A,CCL005067-A,RAD- |
| March 28, 2025 | 297,273 | | LE,018765331FLE,018765423FLE,018765422FLE,018765421FLE,018765420FLE,017791079FLE,CCL005091-A,CCL005089-A,CCL005088-A,CCL005090-A,CCL005092-A,CCL004997-A,CCL004996-A,CCL003859-M,CCL003858-M,CCL004995-A,RAD-201482,CCL005094-A,CCL005097-A,RAD-201486,RAD-201485,CCL005096-A,CCL003857-M,CCL004994-A,CCL004993-A,CCL003856-M,CCL004992-A,RAD-201422,CCL004991-A,CCL003955-M,CCL003954-M,CCL005081-A,CCL004975-A,CCL003953-M,CCL004974-A,CCL003952-M,CCL004990-A,CCL004989-A,CCL004988-A,CCL004987-A,CCL003951-M,CCL004986-A,RAD-201423,RAD-201439,RAD-201438,CCL003950-M,RAD-201456,CCL003945- |
| March 29, 2025 | 94,064 | | CCL005155-A,CCL003863-M,CCL005157-A,CCL005099-A,CCL005098-A,CCL005093-A,CCL005095-A,CCL005082-A,CCL005083-A,CCL005084-A,CCL003862-M,RAD-201481,CCL003860-M,CCL005085-A,CCL003861-M,CCL005086-A,CCL005087-A, |
| March 30, 2025 | 74,751 | | CCL005149-A,CCL005150-A,CCL003864-M,CCL005128-A,CCL005151-A,CCL005152-A,RAD-201489,RAD-201421,RAD-201483,CCL005153-A,RAD-201480,RAD-201484,CCL005154-A, |
| March 31, 2025 | 267,207 | | LE,018765335FLE,018765334FLE,CCL005120-A,CCL005134-A,CCL005121-A,CCL005130-A,CCL005129-A,RAD-201499,CCL005131-A,CCL005132-A,RAD-201501,CCL005133-A,CCL003867-M,CCL005135-A,CCL005100-A,CCL005101-A,CCL005102-A,CCL005103-A,RAD-201505,CCL005104-A,CCL005105-A,RAD-201506,CCL003866-M,CCL005106-A,CCL005143-A,CCL005142-A,CCL005141-A,CCL003865-M,CCL005140-A,RAD-201507,CCL005139-A,RAD-201497,CCL005138-A,CCL005137-A,CCL005136-A,CCL005156-A,CCL005144-A,CCL005145-A,CCL005146-A,CCL005147-A,RAD-201498,RAD-201488,CCL005148-A, |
| | | | |
| | | | |
| **March Total** | **7,047,695** | **-** | |
| **First Quarter 2025 Total** | **22,995,300** | **30,719** | |

*Chiquita Canyon Landfill*
*Site Generated Leachate and Condensate Disposal*
*2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| 2025 Year to date Total | 22,995,300 | 30,719 | |
| 3 Month Average= | 7,665,100 | 10,240 | |
| Forecasted 12 month total | 91,981,200 | 122,877 | |

CHIQUITA CANYON
*a Waste Connections company*

**June 15, 2025**

Mr. Enrique Casas
California Regional Water Quality Control Board
320 West 4th Street
Los Angeles, California 90013

Subject: **Second Quarter 2025 Solid Waste Disposal Report**
**Chiquita Canyon Landfill (File No. 67-20)**
**Los Angeles County, California**

Dear Mr. Casas:

This is the Second Quarter 2025 Solid Waste Disposal Report for the Chiquita Canyon Landfill. This report is required by Monitoring and Reporting Program No. CI-6231 dated December 13, 2018, and Waste Discharge Requirements Order No. R4-2018-0172 File No. 67-020 adopted December 13, 2018. This report covers the period from April-June 2025.

A point-by-point discussion of reporting requirements follows:

**1. The reports to the Regional Board shall include a map of the site, and shall indicate the area(s) where disposal is taking place or will begin. This map shall be updated quarterly and summarized and submitted with the annual report due February 15 of each year. If a new area is landfilled, it shall be identified in the corresponding quarterly report.**

As the Water Board is aware, CCL closed the Chiquita Canyon Landfill to the acceptance of waste effective January 1, 2025. CCL does not receive any waste or beneficial reuse materials, but does continue to dispose of a small quantity of internally generated waste. Enclosed, as Attachment 1 is a drawing showing the locations where CCL disposed of the internally generated waste during the Second Quarter 2025.

**2. A tabular list of the estimated average monthly quantities and types of materials deposited each month.**

As discussed above, the Landfill is now closed to the acceptance of waste.

**3. An estimate of remaining capacity (in cubic yards and tons), and the remaining life of the site in years and months.**

As discussed above, the Landfill is now closed to the acceptance of waste.

**4. A certification that all wastes deposited were deposited in compliance with the Board's requirements, and that no waste was deposited outside the boundaries of the waste management facility as specified in the Board requirements.**

During the reporting period, the site was operated in compliance with the Board's requirements and no wastes were deposited outside the boundary of the waste management unit.

**5. A description of the location and an estimate of the seepage rate or flow of all known seeps and springs at the site.**

No water seeps or springs were discovered during visual monitoring of the landfill conducted in April, May and June 2025.

**6. The estimated amount of water used at the waste management area for landscape irrigation, compaction, dust control, etc. (If a source other than potable waste is used, the sources and amounts of water from each source shall also be reported).**

During the reporting period, approximately 2,825,340 gallons of water were used for dust control, irrigation, and site operation construction. Water was obtained from Newhall Land and Farming Company from an irrigation line located south of the site near Highway 126.

**7. Quantities of liquid pumped from the leachate monitoring sumps and/or extraction wells, including dates of removal, and the ultimate disposition (dust control, returned to landfill, disposal). If no liquid was detected or pumped during the reporting period, a statement to that effect shall be submitted.**

Information on quantities of leachate pumped and disposed during the reporting period is enclosed as Attachment 3.

**8. The discharger shall report all unacceptable (to this site) wastes inadvertently received at this site and their disposition. The following details shall be included:**

a. **The source (if known), including the hauler, of the unacceptable wastes and date received and/or discovered.**
b. **Identification of waste (if known) and the amount of waste.**
c. **The name and address of the hauler who removed the waste from the site.**
d. **The ultimate point of disposal for the waste.**
e. **The discharger's actions to prevent recurrence of the attempted depositing of unacceptable wastes by this source or individual (if applicable). If no unacceptable wastes were received (or discovered) during the month, the report shall so state.**

As discussed above, the Landfill is now closed to the acceptance of waste. Only a small amount of internally generated waste is disposed of at the Landfill, which does not include any unacceptable waste. All internal waste is checked before disposal.

If you should have any questions regarding this report, please do not hesitate to contact me at (661) 257-3655.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on the 15th day of July, 2025.

Please do not hesitate to contact me at with any questions regarding the above responses.

Sincerely,

**CHIQUITA CANYON LANDFILL**

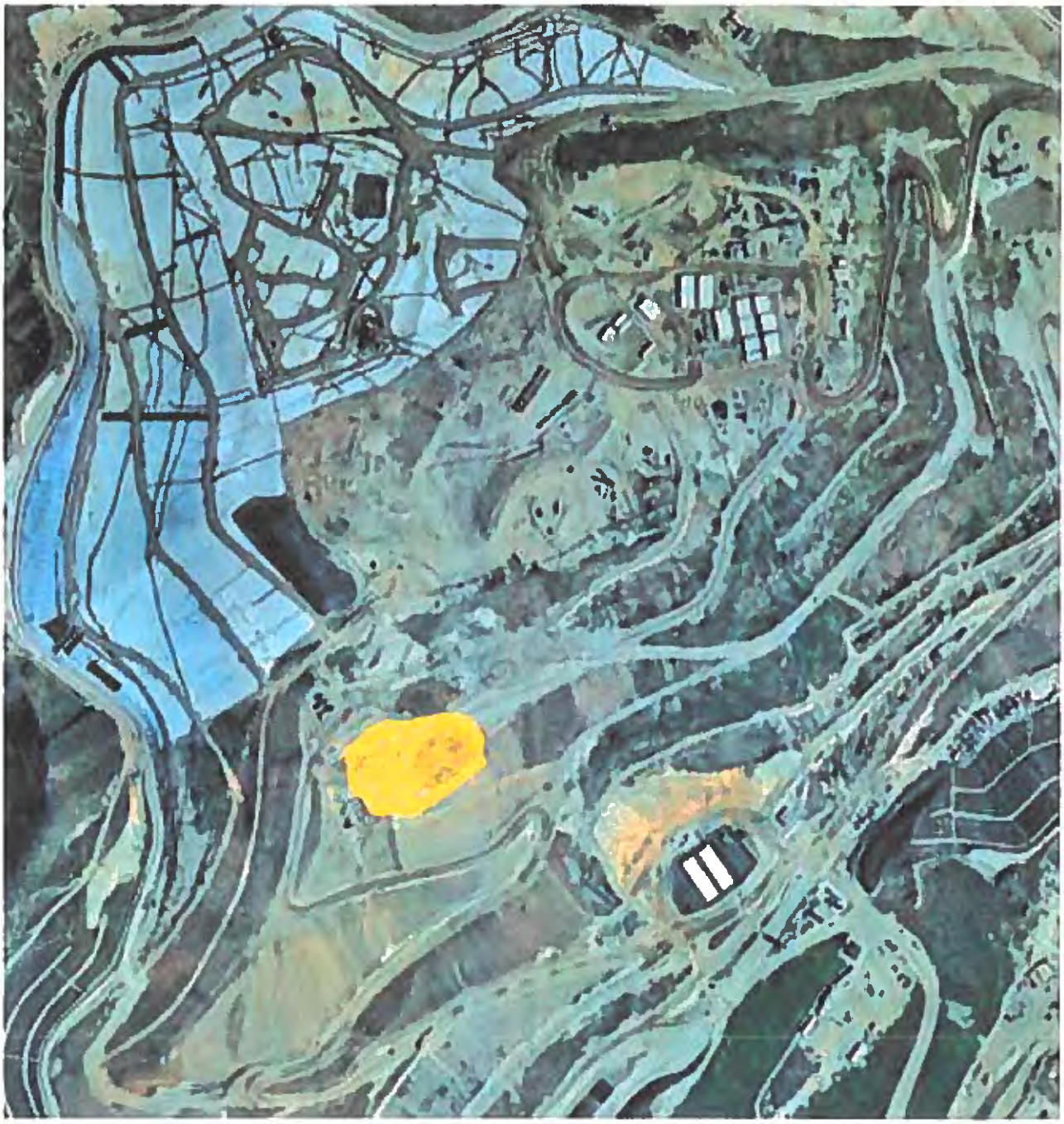
Nicole Ward
Assistant District Manager

Chiquita Canyon Landfill

Attachments: Attachment 1 – Disposal Area Plan
Attachment 2 – Tonnage / Load Reports
Attachment 3 – Leachate Disposal

# Attachment 1

# Disposal Area Plan



## Attachment 2

## Tonnage / Load Reports

## CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR April 2025

| DATE | | Inbound Material | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total Daily Inbound | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Disposal | | | | | | | | | | | Diversion | | | | | | | | | | | | | | Soil | | | | | |
| | | Transfer Trailer Waste | Lds | Residential | Lds | Commercial | Lds | General Public | Lds | Trash Total | Lds | Weekly | Shredded Green Waste → Erosion Control | Lds | MRF Fines → Protective Cover | Lds | Shredded Green Waste → ADC | Lds | TASW→ ADC | Lds | Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control | Lds | C&D | Lds | Total, tons | Total, loads | Contaminated Soil→Various Uses | Lds | Clean Soil→Various Uses | Lds | Tons | Loads |
| | SUN | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/1/2025 | TUE | | | | | 2.10 | 2 | | | 2.10 | 2 | | | | | | | | | | | | | | - | - | | | | | 2.10 | 2 |
| 4/2/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/3/2025 | THU | | | | | 12.01 | 1 | | | 12.01 | 1 | | | | | | | | | | | | | | - | - | | | | | 12.01 | 1 |
| 4/4/2025 | FRI | | | | | 50.13 | 6 | | | 50.13 | 6 | | | | | | | | | | | | | | - | - | | | | | 50.13 | 6 |
| 4/5/2025 | SAT | | | | | | | | | - | 0 | 64 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/6/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 4/7/2025 | MON | | | | | 14.99 | 4 | | | 14.99 | 4 | | | | | | | | | | | | | | - | - | | | | | 14.99 | 4 |
| 4/8/2025 | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/9/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/10/2025 | THU | | | | | 1.18 | 1 | | | 1.18 | 1 | | | | | | | | | | | | | | - | - | | | | | 1.18 | 1 |
| 4/11/2025 | FRI | | | | | 1.69 | 1 | | | 1.69 | 1 | | | | | | | | | | | | | | - | - | | | | | 1.69 | 1 |
| 4/12/2025 | SAT | | | | | | | | | - | 0 | 18 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/13/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 4/14/2025 | MON | | | | | 48.97 | 6 | | | 48.97 | 6 | | | | | | | | | | | | | | - | - | | | | | 48.97 | 6 |
| 4/15/2025 | TUE | | | | | 11.88 | 3 | | | 11.88 | 3 | | | | | | | | | | | | | | - | - | | | | | 11.88 | 3 |
| 4/16/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/17/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/18/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/19/2025 | SAT | | | | | | | | | - | 0 | 61 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/20/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 4/21/2025 | MON | | | | | 3.20 | 3 | | | 3.20 | 3 | | | | | | | | | | | | | | - | - | | | | | 3.20 | 3 |
| 4/22/2025 | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/23/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/24/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/25/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/26/2025 | SAT | | | | | | | | | - | 0 | 3 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/27/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 4/28/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/29/2025 | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 4/30/2025 | WED | | | | | 3.74 | 3 | | | 3.74 | 3 | | | | | | | | | | | | | | - | - | | | | | 3.74 | 3 |
| | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | SAT | | | | | | | | | - | 0 | 4 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| | MON | | | | | | | | | - | 0 | 0 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| TOTAL | | - | - | - | - | 149.89 | 30 | - | - | 149.89 | 30 | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 149.89 | 30 |

**Monthly Totals**

| | |
|---|---|
| Water Used for Dust Control & Irrigation, gallons | **742,896** |
| Disposal, tons | **150** |
| Diversion, tons | **-** |
| Soils, tons | **-** |
| Total | **150** |

## CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR May 2025

| DATE | | Inbound Material | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total Daily Inbound | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Disposal | | | | | | | | | | | Diversion | | | | | | | | | | | | | | Soil | | | | | | |
| | | Transfer Trailer Waste | Lds | Residential | Lds | Commercial | Lds | General Public | Lds | Trash Total | Lds | Weekly | Shredded Green Waste → Erosion Control | Lds | MRF Fines → Protective Cover | Lds | Shredded Green Waste → ADC | Lds | TASW→ ADC | Lds | Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control | Lds | C&D | Lds | Total, tons | Total, loads | Contaminated Soil→Various Uses | Lds | Clean Soil→Various Uses | Lds | Tons | Loads |
| | SUN | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/1/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/2/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/3/2025 | SAT | | | | | | | | | - | 0 | 0 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/4/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 5/5/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/6/2025 | TUE | | | | | 49.92 | | | | 49.92 | 0 | | | | | | | | | | | | | | - | - | | | | | 49.92 | 0 |
| 5/7/2025 | WED | | | | | 53.22 | | | | 53.22 | 0 | | | | | | | | | | | | | | - | - | | | | | 53.22 | 0 |
| 5/8/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/9/2025 | FRI | | | | | 3.34 | | | | 3.34 | 0 | | | | | | | | | | | | | | - | - | | | | | 3.34 | 0 |
| 5/10/2025 | SAT | | | | | | | | | - | 0 | 106 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/11/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 5/12/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/13/2025 | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/14/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/15/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/16/2025 | FRI | | | | | 3.49 | | | | 3.49 | 0 | | | | | | | | | | | | | | - | - | | | | | 3.49 | 0 |
| 5/17/2025 | SAT | | | | | | | | | - | 0 | 3 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/18/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 5/19/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/20/2025 | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/21/2025 | WED | | | | | 50.59 | | | | 50.59 | 0 | | | | | | | | | | | | | | - | - | | | | | 50.59 | 0 |
| 5/22/2025 | THU | | | | | 50.58 | | | | 50.58 | 0 | | | | | | | | | | | | | | - | - | | | | | 50.58 | 0 |
| 5/23/2025 | FRI | | | | | 22.80 | | | | 22.80 | 0 | | | | | | | | | | | | | | - | - | | | | | 22.80 | 0 |
| 5/24/2025 | SAT | | | | | | | | | - | 0 | 124 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/25/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 5/26/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/27/2025 | TUE | | | | | 26.17 | | | | 26.17 | 0 | | | | | | | | | | | | | | - | - | | | | | 26.17 | 0 |
| 5/28/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/29/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/30/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 5/31/2025 | SAT | | | | | 52.83 | | | | 52.83 | 0 | 79 | | | | | | | | | | | | | - | - | | | | | 52.83 | 0 |
| | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| | MON | | | | | | | | | - | 0 | 0 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| TOTAL | | - | - | - | - | 312.94 | - | - | - | 312.94 | - | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 312.94 | - |

**Monthly Totals**

| | |
|---|---|
| Water Used for Dust Control & Irrigation, gallons | **990,444** |
| Disposal, tons | **313** |
| Diversion, tons | **-** |
| Soils, tons | **-** |
| Total | **313** |

## CHIQUITA CANYON LANDFILL - TONNAGE / LOAD REPORT FOR 2025

| DATE | | Inbound Material | | | | | | | | | | | | | | | | | | | | | | | | | | Total Daily Inbound | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Disposal | | | | | | | | | | | Diversion | | | | | | | | | | | | | Soil | | | | | |
| | | Transfer Trailer Waste | Lds | Residential | Lds | Commercial | Lds | General Public | Lds | Trash Total | Lds | Weekly | Shredded Green Waste → Erosion Control | Lds | MRF Fines → Protective Cover | Lds | Shredded Green Waste → ADC | Lds | TASW→ ADC | Lds | Rubble, Concrete, Asphalt, Rock→Road Base & Erosion Control | Lds | C&D | Lds | Total, tons | Total, loads | Contaminated Soil→Various Uses | Lds | Clean Soil→Various Uses | Lds | Tons | Loads |
| 6/1/2025 | SUN | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/2/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/3/2025 | TUE | | | | | 40.75 | 4 | | | 40.75 | 4 | | | | | | | | | | | | | | - | - | | | | | 40.75 | 4 |
| 6/4/2025 | WED | | | | | 30.04 | 3 | | | 30.04 | 3 | | | | | | | | | | | | | | - | - | | | | | 30.04 | 3 |
| 6/5/2025 | THU | | | | | 4.91 | 3 | | | 4.91 | 3 | | | | | | | | | | | | | | - | - | | | | | 4.91 | 3 |
| 6/6/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/7/2025 | SAT | | | | | | | | | - | 0 | 76 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/8/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 6/9/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/10/2025 | TUE | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/11/2025 | WED | | | | | 39.05 | 4 | | | 39.05 | 4 | | | | | | | | | | | | | | - | - | | | | | 39.05 | 4 |
| 6/12/2025 | THU | | | | | 42.34 | 4 | | | 42.34 | 4 | | | | | | | | | | | | | | - | - | | | | | 42.34 | 4 |
| 6/13/2025 | FRI | | | | | 25.86 | 4 | | | 25.86 | 4 | | | | | | | | | | | | | | - | - | | | | | 25.86 | 4 |
| 6/14/2025 | SAT | | | | | | | | | - | 0 | 107 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/15/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 6/16/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/17/2025 | TUE | | | | | 41.29 | 4 | | | 41.29 | 4 | | | | | | | | | | | | | | - | - | | | | | 41.29 | 4 |
| 6/18/2025 | WED | | | | | 54.44 | 5 | | | 54.44 | 5 | | | | | | | | | | | | | | - | - | | | | | 54.44 | 5 |
| 6/19/2025 | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/20/2025 | FRI | | | | | 3.67 | 2 | | | 3.67 | 2 | | | | | | | | | | | | | | - | - | | | | | 3.67 | 2 |
| 6/21/2025 | SAT | | | | | | | | | - | 0 | 99 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/22/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 6/23/2025 | MON | | | | | 1.24 | 1 | | | 1.24 | 1 | | | | | | | | | | | | | | - | - | | | | | 1.24 | 1 |
| 6/24/2025 | TUE | | | | | 8.78 | 1 | | | 8.78 | 1 | | | | | | | | | | | | | | - | - | | | | | 8.78 | 1 |
| 6/25/2025 | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/26/2025 | THU | | | | | 2.69 | 2 | | | 2.69 | 2 | | | | | | | | | | | | | | - | - | | | | | 2.69 | 2 |
| 6/27/2025 | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/28/2025 | SAT | | | | | | | | | - | 0 | 13 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| 6/29/2025 | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| 6/30/2025 | MON | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | TUE | | | | | 29.17 | 3 | | | 29.17 | 3 | | | | | | | | | | | | | | - | - | | | | | 29.17 | 3 |
| | WED | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | THU | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | FRI | | | | | | | | | - | 0 | | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | SAT | | | | | | | | | - | 0 | 29 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| | SUN | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | | | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ | ~~~ |
| | MON | | | | | | | | | - | 0 | 0 | | | | | | | | | | | | | - | - | | | | | - | 0 |
| TOTAL | | - | - | - | - | 324.23 | 40 | - | - | 324.23 | 40 | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 324.23 | 40 |

**Monthly Totals**

| | |
|---|---|
| Water Used for Dust Control & Irrigation, gallons | **1,092,000** |
| Disposal, tons | **324** |
| Diversion, tons | **-** |
| Soils, tons | **-** |
| Total | **324** |

## Attachment 3

## Leachate Disposal

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| **April** | | | |
| April 1, 2025 | 331,179 | | CCL005116-A, CCL005114-A, RAD-201515, CCL005112-A, CCL005111-A, |
| April 2, 2025 | 294,795 | | RAD-201517, CCL005198-A, CCL005199-A, CCL005197-A, RAD-201516, CCL005200-A, CCL003974-M, CCL005201-A, RAD-201511, CCL005202-A, CCL005203-A, CCL005204-A, CCL005205-A, RAD-201510, CCL005206-A, CCL005213-A, RAD-201509, CCL003975-M, CCL003976-M, RAD-201495, CCL003977-M, CCL005207-A, CCL003979-M, CCL005208-A, CCL000802-X, RAD-201494, CCL005209-A, RAD-201493, CCL005210-A, CCL000813-X, CCL005211-A, CCL005212-A, CCL005170-A, CCL003980-M, CCL005171-A, CCL005173-A, CCL005172-A, RAD-201492, CCL005174-A, CCL005175-A, CCL005176-A, CCL003993-M, CCL005177-A, 018765239FLE, 018765389FLE, 018765390FLE, 018765391FLE, 018765392FLE |
| April 3, 2025 | 361,247 | | CCL005159-A, CCL005180-A, CCL005160-A, CCL005161-A, RAD-201490, RAD-201491, RAD-201487, CCL005162-A, RAD-201420, CCL005163-A, CCL005165-A, CCL005164-A, RAD-201415, CCL005166-A, CCL005167-A, RAD-201476, CCL003992-M, RAD-201475, RAD-201474, RAD-201473, CCL003991-M, CCL005168-A, CCL005169-A, CCL000812-X, CCL003990-M, CCL005229-A, CCL000811-X, CCL005230-A, CCL003989-M, RAD-201477, CCL005231-A, CCL005233-A, RAD-201531, RAD-201478, RAD-201479, CCL005125-A, CCL005234-A, RAD-201529, RAD-201528, RAD-201526, CCL005236-A, CCL005237-A, CCL005239-A, CCL005238-A, CCL005240-A, CCL005241-A, CCL005247-A, RAD-201527, CCL005248-A, CCL005249-A, CCL005250-A, 018765336FLE, 018765240FLE, 018765241FLE, 018765393FLE, 018765394FLE, 018765395FLE, 018765396FLE, 018765463FLE, 018765464FLE |
| April 4, 2025 | 280,488 | | CCL005235-A, CCL005228-A, RAD-201525, CCL005227-A, RAD-201532, CCL005226-A, RAD-201533, RAD-201534, CCL005225-A, RAD-201535, CCL005224-A, CCL005223-A, CCL005222-A, CCL005220-A, CCL005219-A, CCL005218-A, RAD-201536, CCL005217-A, RAD-201537, CCL003988-M, CCL005216-A, CCL005215-A, RAD-201538, CCL005214-A, CCL005252-A, CCL005253-A, CCL005254-A, CCL005255-A, CCL005259-A, CCL005257-A, CCL005258-A, CCL005292-A, CCL005293-A, CCL005256-A, CCL005294-A, CCL005295-A, CCL005296-A, CCL005221-A, CCL005297-A, CCL005298-A, CCL005299-A, 018765425FLE, 018765337FLE, 017791081FLE, 018765465FLE, 018765466FLE |
| April 5, 2025 | 127,074 | | CCL003987-M, CCL005301-A, RAD-201546, CCL005277-A, CCL003986-M, RAD-201545, CCL003985-M, CCL003984-M, CCL005290-A, RAD-201539, CCL005291-A, CCL005276-A, RAD-201540, CCL005288-A, CCL005287-A, CCL005286-A, CCL005285-A, RAD-201541, CCL003983-M, CCL005283-A, CCL003982-M, CCL005289-A |
| April 6, 2025 | 67,699 | | CCL005278-A, RAD-201551, RAD-201549, CCL005282-A, CCL005275-A, CCL005274-A, CCL005273-A, CCL005271-A, CCL005272-A, CCL005281-A, CCL005284-A, CCL003981-M |
| April 7, 2025 | 318,440 | | CCL005270-A, CCL005261-A, CCL005262-A, CCL004025-M, RAD-201550, CCL005263-A, RAD-201552, CCL005269-A, CCL005268-A, RAD-201553, CCL005266-A, CCL005265-A, CCL004026-M, CCL005264-A, CCL005317-A, CCL005318-A, RAD-201567, CCL005319-A, CCL005320-A, CCL004027-M, CCL005321-A, CCL004028-M, CCL005322-A, CCL004029-M, CCL005323-A, CCL005324-A, CCL005325-A, CCL005326-A, RAD-201566, CCL005327-A, CCL004030-M, CCL005328-A, RAD-201565, CCL005329-A, CCL005330-A, RAD-201563, RAD-201564, CCL005331-A, CCL005332-A, RAD-201562, CCL005333-A, CCL005334-A, CCL005335-A, CCL005336-A, CCL005337-A, CCL005338-A, CCL004031-M, CCL005339-A, 018765426FLE, 018765427FLE, 018765428FLE, 018765338FLE, 017791082FLE |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| April 8, 2025 | 324,597 | | CCL005343-A, CCL005344-A, CCL005349-A, RAD-201560, RAD-201559, CCL005346-A, RAD-201558, CCL005348-A, RAD-201557, RAD-201561, RAD-201568, CCL005345-A, CCL005350-A, CCL005351-A, CCL005352-A, RAD-201556, CCL005353-A, CCL005354-A, CCL005347-A, RAD-201576, CCL005355-A, RAD-201575, CCL005358-A, CCL005359-A, CCL004039-M, RAD-201577, CCL004034-M, CCL004035-M, CCL004036-M, CCL005356-A, CCL005316-A, CCL005360-A, CCL005302-A, RAD-201573, CCL005361-A, CCL005362-A, CCL005366-A, CCL005367-A, CCL005368-A, RAD-201572, CCL005369-A, CCL005370-A, RAD-201571, RAD-201570, CCL005363-A, CCL005364-A, CCL005365-A, CCL004038-M, CCL005371-A, 018765429FLE, 018765430FLE, 017791083FLE, 018765242FLE, |
| April 9, 2025 | 315,058 | | CCL005375-A, CCL005376-A, CCL005378-A, RAD-201569, CCL005379-A, RAD-201555, CCL005380-A, RAD-201591, CCL004047-M, RAD-201590, CCL005381-A, CCL005382-A, CCL005377-A, CCL005383-A, CCL005384-A, CCL005385-A, CCL005386-A, CCL005387-A, RAD-201589, CCL005388-A, CCL004046-M, CCL005389-A, CCL004045-M, CCL005390-A, CCL004044-M, CCL004043-M, CCL005391-A, CCL005392-A, RAD-201588, CCL005357-A, CCL005393-A, RAD-201587, RAD-201586, RAD-201585, CCL005394-A, CCL005395-A, CCL005303-A, CCL005304-A, CCL005307-A, CCL005305-A, CCL005306-A, CCL005308-A, CCL005309-A, CCL005310-A, RAD-201584, CCL005311-A, 018765431FLE, 018765244FLE, 018765397FLE, 018765398FLE, 018765399FLE, 018765400FLE |
| April 10, 2025 | 271,007 | | RAD-201542, CCL005315-A, RAD-201543, CCL005267-A, RAD-201581, RAD-201580, RAD-201579, RAD-201578, CCL005451-A, RAD-201582, CCL005450-A, CCL005452-A, CCL005453-A, CCL005462-A, CCL005454-A, CCL005455-A, CCL005456-A, CCL005457-A, CCL005458-A, CCL005459-A, CCL005460-A, CCL005461-A, RAD-201610, RAD-201609, CCL004087-M, CCL004088-M, RAD-201618, CCL004086-M, CCL005463-A, CCL005467-A, CCL005465-A, CCL005466-A, CCL005448-A, CCL005447-A, CCL005446-A, CCL005445-A, CCL005443-A, 017791084FLE, 018765245FLE, 018765432FLE, 018765401FLE, 018765402FLE, 018765564FLE, |
| April 11, 2025 | 305,812 | | CCL005439-A, RAD-201616, CCL005438-A, RAD-201601, CCL005437-A, CCL005436-A, CCL004089-M, RAD-201615, CCL005464-A, CCL004090-M, RAD-201614, CCL005434-A, RAD-201600, CCL005433-A, RAD-201599, CCL005432-A, CCL005431-A, RAD-201598, CCL005430-A, CCL005435-A, CCL005429-A, RAD-201597, CCL005428-A, CCL005427-A, CCL005426-A, CCL004041-M, CCL004097-M, CCL005425-A, CCL004096-M, RAD-201596, CCL004095-M, CCL005424-A, CCL005423-A, RAD-201595, CCL005422-A, CCL005421-A, CCL005418-A, CCL005417-A, CCL005416-A, CCL005415-A, CCL005414-A, CCL005412-A, CCL005403-A, CCL005420-A, 017791085FLE, 018765246FLE, 018765247FLE, 018765433FLE, 018765434FLE, 018765435FLE |
| April 12, 2025 | 111,803 | | CCL005409-A, RAD-201607, CCL004093-M, CCL005411-A, CCL005405-A, CCL005419-A, RAD-201606, CCL004094-M, CCL005408-A, RAD-201594, CCL005402-A, CCL005404-A, CCL005410-A, CCL004092-M, CCL005397-A, RAD-201592, CCL005399-A, RAD-201593, CCL004091-M, CCL005396-A |
| April 13, 2025 | 74,692 | | RAD-201605, 4050-00068, 4050-00069, CCL005407-A, CCL004084-M, RAD-201604, CCL005406-A, CCL005398-A, CCL005486-A, CCL005485-A, CCL004083-M, RAD-201603, CCL004082-M |
| April 14, 2025 | 273,991 | | CCL005485-A, CCL004083-M, RAD-201603, CCL004082-M, CCL005484-A, CCL005483-A, CCL005499-A, RAD-201602, CCL005498-A, CCL004081-M, CCL005497-A, CCL005496-A, RAD-201621, CCL005495-A, CCL005494-A, CCL005493-A, CCL004080-M, CCL005401-A, CCL005400-A, CCL005492-A, CCL000810-X, CCL004073-M, CCL005491-A, CCL004072-M, 4050-00070, CCL005490-A, CCL005489-A, RAD-201626, CCL004079-M, CCL005488-A, CCL005487-A, CCL005468-A, RAD-201625, CCL005469-A, RAD-201624, CCL005470-A, CCL004078-M, RAD-201613, CCL005471-A, CCL005472-A, CCL005474-A, CCL005480-A, CCL005481-A, CCL005475-A |

***Chiquita Canyon Landfill***
***Site Generated Leachate and Condensate Disposal***
***2025***

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| April 15, 2025 | 324,989 | | 018765436FLE, 018765437FLE, 018765438FLE, 018765340FLE, 018765341FLE, CCL005478-A, CCL004077-M, CCL005477-A, CCL005479-A, CCL005606-A, CCL005607-A, CCL004076-M, CCL005608-A, CCL004098-M, CCL005609-A, CCL005610-A, RAD-201612, CCL005611-A, CCL005612-A, CCL004075-M, RAD-201611, CCL005613-A, RAD-201629, CCL005614-A, CCL005615-A, RAD-201628, RAD-201627, RAD-201623, CCL005616-A, CCL005621-A, CCL005622-A, CCL005617-A, RAD-201654, CCL004074-M, RAD-201653, CCL004071-M, CCL004070-M, CCL004099-M, CCL005623-A, RAD-201652, CCL005618-A, CCL005619-A, RAD-201656, RAD-201655, RAD-201657, CCL005620-A, CCL005624-A, RAD-201651, CCL005625-A, RAD-201650, CCL005626-A, CCL005627-A, RAD-201649, CCL005628-A |
| April 16, 2025 | 312,104 | | 018765250FLE, 018765251FLE, 017791086FLE, 018765439FLE, 018765484FLE, CCL004102-M, CCL005633-A, CCL004103-M, CCL005635-A, CCL005636-A, CCL005637-A, CCL004104-M, CCL005638-A, RAD-201648, CCL005640-A, RAD-201647, RAD-201646, CCL005639-A, CCL005641-A, RAD-201645, CCL005642-A, RAD-201644, CCL005643-A, CCL004105-M, CCL005644-A, CCL005645-A, CCL005646-A, CCL004106-M, CCL005548-A, CCL005547-A, RAD-201643, CCL004107-M, RAD-201642, CCL005546-A, CCL004108-M, CCL005545-A, CCL005544-A, CCL005543-A, RAD-201641, RAD-201640, CCL005542-A, CCL005531-A, RAD-201639, CCL005533-A, CCL005532-A, CCL005534-A, CCL005535-A, CCL005536-A, CCL005537-A, CCL005538-A, CCL005539-A, CCL004109-M |
| April 17, 2025 | 310,494 | | 018765441FLE, 018765566FLE, 018765567FLE, 018765568FLE, 018765569FLE, CCL005541-A, CCL005517-A, CCL005518-A, CCL005519-A, RAD-201637, CCL005522-A, CCL005523-A, CCL005520-A, RAD-201636, RAD-201635, CCL005521-A, RAD-201634, CCL004110-M, RAD-201633, RAD-201632, CCL005524-A, CCL005525-A, CCL005526-A, CCL005528-A, CCL005527-A, CCL005529-A, CCL005530-A, CCL004100-M, CCL005505-A, RAD-201620, CCL005506-A, CCL005507-A, CCL005508-A, RAD-201619, CCL005509-A, RAD-201658, RAD-201659, RAD-201660, RAD-201665, CCL005510-A, CCL005511-A, CCL005512-A, CCL005513-A, CCL005514-A, RAD-201661, CCL004115-M, RAD-201666, CCL004116-M, CCL005516-A, CCL005515-A, CCL005504-A, CCL004117-M, RAD-201662 |
| April 18, 2025 | 274,998 | | 018765443FLE, 020750181FLE, 020750182FLE, 020750183FLE, 020750184FLE, CCL005503-A, CCL005502-A, CCL004112-M, CCL005501-A, CCL004118-M, RAD-201663, CCL005549-A, CCL005554-A, CCL004111-M, RAD-201664, CCL005553-A, CCL005552-A, CCL005555-A, RAD-201667, CCL004114-M, RAD-201668, CCL005557-A, CCL005558-A, RAD-201630, CCL004119-M, CCL005559-A, CCL004120-M, CCL005560-A, RAD-201669, CCL005561-A, CCL004121-M, CCL005562-A, CCL005569-A, CCL005567-A, CCL005566-A, CCL005565-A, CCL005564-A, CCL005563-A, RAD-201670, CCL005572-A, CCL005570-A, CCL005571-A, CCL005568-A, CCL005550-A, CCL005551-A, CCL005556-A, CCL005500-A, CCL005444-A |
| April 19, 2025 | 109,785 | | CCL004122-M, 018765255FLE, 018765256FLE, 018765257FLE, 018765444FLE, 018765445FLE, 018765446FLE, 018765447FLE, 018765448FLE, CCL004122-M, CCL005574-A, CCL005576-A, CCL004124-M, CCL005575-A, CCL004123-M, CCL005577-A, CCL004125-M, CCL005578-A, CCL005579-A, CCL005580-A |
| April 20, 2025 | 45,695 | | CCL000804-X, CCL005581-A, RAD-201676, RAD-201675, RAD-201674, CCL005582-A, CCL004126-M, CCL004127-M |
| April 21, 2025 | 279,092 | | CCL005583-A, CCL005584-A, RAD-201672, CCL004101-M, CCL005585-A, RAD-201673, CCL005586-A, CCL005587-A, CCL005588-A, CCL005589-A, CCL005590-A, CCL005591-A, CCL005592-A, CCL004143-M, CCL005593-A, CCL005594-A, CCL005595-A, CCL000806-X, CCL005596-A, CCL000807-X, RAD-201689, CCL004142-M, CCL005597-A, CCL004144-M, CCL005598-A, RAD-201699, CCL004145-M, CCL004146-M, CCL005703-A, CCL004147-M, CCL005599-A, RAD-201631, RAD-201688, RAD-201687, RAD-201686, CCL005744-A, CCL005743-A, CCL005742-A, CCL005741-A, CCL000808-X, CCL000809-X, CCL004148-M, RAD-201685, CCL005740-A, RAD-201684 |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| April 22, 2025 | 316,732 | | 018765485FLE, 020750231FLE, 020750232FLE, 020750233FLE, CCL005705-A, CCL004158-M, CCL005706-A, CCL005707-A, RAD-201693, CCL005708-A, CCL005709-A, RAD-201692, RAD-201698, RAD-201697, CCL004149-M, CCL005710-A, CCL005711-A, RAD-201691, RAD-201690, RAD-201679, CCL005712-A, CCL005713-A, CCL005714-A, CCL004159-M, RAD-201696, CCL005715-A, CCL005716-A, CCL005717-A, CCL004160-M, CCL004161-M, CCL004162-M, 4050-00330, CCL005737-A, 4050-00332, CCL005736-A, CCL005735-A, CCL005734-A, CCL005733-A, RAD-201695, CCL005732-A, CCL005731-A, RAD-201694, CCL004163-M, CCL005730-A, CCL005729-A, CCL005600-A, RAD-201680, CCL005601-A, CCL005602-A, CCL005603-A, CCL005604-A, RAD-201722 |
| April 23, 2025 | 359,500 | | 020750185FLE, 018765449FLE, 020750186FLE, 018765476FLE, 018765258FLE, CCL004150-M, CCL005701-A, CCL005702-A, CCL004152-M, CCL005718-A, CCL005719-A, CCL004153-M, CCL005720-A, CCL005721-A, CCL005722-A, CCL004154-M, CCL005723-A, CCL005724-A, RAD-201721, CCL005725-A, CCL005726-A, RAD-201720, CCL005727-A, RAD-201719, CCL005728-A, CCL004164-M, CCL005698-A, CCL005697-A, CCL005696-A, RAD-201718, CCL005695-A, RAD-201716, CCL004155-M, CCL005694-A, CCL005693-A, RAD-201717, CCL004156-M, RAD-201715, CCL004165-M, CCL005692-A, RAD-201714, CCL005691-A, CCL005683-A, CCL005684-A, CCL005685-A, CCL005686-A, CCL005687-A, RAD-201713, RAD-201712, CCL004167-M, RAD-201681, CCL004168-M, CCL005673-A, CCL004170-M, CCL005674-A, CCL004166-M, CCL005675-A, CCL004171-M, |
| April 24, 2025 | 359,062 | | 020750188FLE, 018765450FLE, 018765451FLE, 018765477FLE, CCL005688-A, CCL005689-A, CCL004173-M, CCL005682-A, CCL004174-M, RAD-201711, CCL005690-A, CCL005745-A, RAD-201683, CCL005746-A, CCL005747-A, CCL005748-A, RAD-201701, RAD-201700, CCL005749-A, CCL005681-A, CCL005750-A, CCL005751-A, CCL005752-A, CCL004169-M, CCL005753-A, CCL005755-A, RAD-201710, CCL004175-M, CCL004176-M, CCL004177-M, CCL005754-A, RAD-201709, CCL005756-A, CCL004129-M, CCL004179-M, CCL005757-A, RAD-201708, CCL005758-A, CCL004178-M, 4050-00333, 4050-00334, RAD-201707, CCL005759-A, CCL004181-M, CCL005761-A, CCL005760-A, RAD-201706, CCL004182-M, CCL005762-A, CCL005763-A, CCL004183-M, RAD-201702, CCL005764-A, CCL005765-A, CCL004184-M, CCL005766-A, CCL005767-A, CCL005768-A, CCL005769-A, |
| April 25, 2025 | 355,409 | | 018765505FLE, 018765259FLE, 018765478FLE, 020750190FLE, 018765260FLE, CCL005771-A, RAD-201704, CCL004180-M, CCL005772-A, CCL004185-M, CCL005773-A, CCL005774-A, RAD-201723, CCL004187-M, CCL004186-M, CCL005672-A, CCL005671-A, RAD-201724, CCL005670-A, CCL005669-A, RAD-201727, RAD-201728, RAD-201729, RAD-201725, CCL005668-A, CCL005667-A, CCL005666-A, CCL004188-M, CCL004189-M, 4050-00335, CCL004190-M, 4050-00336, CCL004191-M, CCL005665-A, CCL004192-M, CCL005664-A, CCL005662-A, CCL004193-M, CCL004194-M, CCL004195-M, CCL005663-A, CCL005661-A, RAD-201726, CCL005660-A, RAD-201705, RAD-201730, RAD-201731, CCL005659-A, CCL005658-A, CCL004196-M, CCL005794-A, CCL005793-A, CCL004197-M, CCL005792-A, CCL005791-A, CCL005790-A, CCL005789-A, CCL005788-A, CCL005787-A, 018765479FLE |
| April 26, 2025 | 122,350 | | CCL005786-A, 020750191FLE, 020750192FLE, 018765506FLE, 018765528FLE, 018765529FLE, 018765530FLE, 018765531FLE, 018765532FLE, CCL005786-A, CCL004205-M, CCL004198-M, CCL005785-A, CCL005784-A, CCL005783-A, CCL004199-M, CCL005782-A, RAD-201732, CCL005781-A, CCL005780-A, CCL005779-A, CCL005778-A, RAD- |
| April 27, 2025 | 52,065 | | 4050-00337, CCL005777-A, RAD-201734, CCL005775-A, CCL004200-M, CCL004201-M, CCL005648-A, CCL004202-M, CCL004203-M |

# *Chiquita Canyon Landfill*
# *Site Generated Leachate and Condensate Disposal*
# *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| April 28, 2025 | 414,392 | | CCL004206-M, CCL005651-A, CCL005652-A, CCL005653-A, CCL005647-A, CCL004207-M, CCL005654-A, CCL004204-M, CCL004208-M, 4050-00322, CCL004209-M, CCL005655-A, CCL004210-M, CCL005656-A, CCL004211-M, RAD-201746, RAD-201745, 4050-00323, 4050-00324, CCL005657-A, CCL005795-A, CCL005822-A, CCL005821-A, CCL005823-A, 4050-00325, 4050-00164, CCL004212-M, 4050-00326, CCL004213-M, RAD-201754, CCL005824-A, 4050-00329, CCL005825-A, RAD-201753, 4050-00327, CCL004214-M, CCL004215-M, CCL005826-A, 4050-00167, CCL005827-A, CCL005828-A, CCL005829-A, CCL004217-M, CCL005830-A, RAD-201756, RAD-201751, CCL004218-M, RAD-201752, RAD-201750, CCL004220-M, 4050-00162, CCL004222-M, 4050-00163, CCL005832-A, RAD-201749, CCL004223-M, CCL005833-A, 4050-00160, CCL005834-A, RAD-201747, CCL005835-A, 4050-00161, CCL004224-M, CCL005836-A, CCL004219-M, RAD-201748, CCL005844-A, CCL005843-A, CCL005845-A, CCL004226-M |
| April 29, 2025 | 365,774 | | 018765534FLE, 020750193FLE, 018765262FLE, 018765261FLE, 018765535FLE, CCL004227-M, CCL005847-A, CCL004228-M, CCL005848-A, RAD-201740, CCL005831-A, CCL005837-A, CCL005849-A, CCL005850-A, CCL005851-A, CCL005852-A, RAD-201744, CCL005853-A, CCL005854-A, 4050-00168, CCL005879-A, CCL004225-M, CCL005880-A, CCL005878-A, CCL005877-A, CCL002001-X, CCL002006-X, CCL005876-A, CCL002014-X, CCL004229-M, CCL004230-M, CCL002013-X, CCL005875-A, CCL004231-M, CCL002012-X, CCL002011-X, RAD-201765, CCL005874-A, CCL005873-A, CCL005872-A, CCL005871-A, CCL004234-M, CCL004236-M, RAD-201764, CCL005870-A, CCL004235-M, CCL002032-X, CCL005869-A, CCL002035-X, CCL005868-A, CCL002036-X, CCL002033-X, CCL005867-A, CCL004237-M, CCL005866-A, CCL004238-M, CCL005865-A, CCL004239-M, CCL005864-A, CCL004233-M, CCL005863-A, CCL004240-M, CCL005862-A |
| April 30, 2025 | 404,564 | | 020750292FLE, 018765536FLE, 018765537FLE, 018765538FLE, 018765539FLE, CCL005860-A, CCL005838-A, CCL004241-M, CCL004242-M, CCL005839-A, CCL005840-A, CCL004243-M, RAD-201763, CCL005841-A, CCL005842-A, RAD-201762, RAD-201761, RAD-201760, CCL005855-A, CCL005857-A, CCL005859-A, CCL005858-A, RAD-201759, CCL002034-X, CCL005820-A, CCL004244-M, CCL005819-A, CCL004245-M, CCL002038-X, CCL004246-M, CCL004248-M, CCL004247-M, CCL002037-X, CCL002043-X, CCL004249-M, CCL004232-M, CCL004250-M, CCL002044-X, CCL005803-A, RAD-201757, CCL002045-X, CCL002047-X, CCL002046-X, CCL005796-A, RAD-201803, CCL004252-M, RAD-201802, CCL004253-M, CCL005798-A, CCL005797-A, RAD-201801, RAD-201800, CCL002048-X, RAD-201799, RAD-201798, CCL004254-M, RAD-201795, CCL004255-M, CCL005892-A, CCL004256-M, CCL005891-A, CCL004257-M, CCL005890-A, CCL005889-A, CCL005888-A, CCL005856-A, RAD-201794, RAD-201793 |
| | | | |
| | | | |
| **April 2025 Total** | **7,864,887** | - | |
| | | | **May** |
| May 1, 2025 | 308,079 | | 020750195FLE, 020750236FLE, 020750196FLE, 020750294FLE, |
| May 2, 2025 | 331,581 | | 020750198FLE, 020750197FLE, 018765540FLE, 018765542FLE, 020750295FLE, CCL005882-A, CCL005881-A, RAD-201769, CCL005923-A, CCL005922-A, RAD-201768, CCL005921-A, CCL005920-A, CCL005919-A, RAD-201827, CCL005918-A, CCL005917-A, CCL005916-A, CCL005915-A, RAD-201825, CCL005914-A, CCL005913-A, CCL005912-A, RAD-201826, CCL005911-A, RAD-201822, CCL005910-A, CCL005909-A, CCL005908-A, RAD-201823, CCL005907-A, CCL005906-A, CCL005905-A, CCL005904-A, RAD-201820, RAD-201755, CCL005903-A, CCL005902-A, CCL005901-A, RAD-201824, CCL005900-A, CCL005899-A, CCL004268-M, CCL005898-A, CCL005897-A, CCL004270-M, CCL005896-A, CCL005895-A, CCL004266-M, RAD-201816, CCL005894-A, CCL005893-A, CCL005806-A, CCL004269-M, CCL005807-A, CCL004271-M |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| May 3, 2025 | 93,308 | | CCL004272-M, 020750200FLE, 020750248FLE, 020750249FLE, 018765546FLE, 018765543FLE, 018765547FLE, 018765545FLE, 020750296FLE, CCL004272-M, CCL005808-A, CCL004273-M, CCL005810-A, CCL004274-M, RAD-201817, CCL005812-A, CCL005813-A, CCL004275- |
| May 4, 2025 | 72,368 | | RAD-201818, CCL004276-M, CCL005816-A, CCL005811-A, CCL005815-A, CCL004277-M, CCL004278-M, CCL004279-M, CCL005809-A, RAD-201818, RAD-201786, CCL005817-A, CCL004281-M |
| May 5, 2025 | 291,021 | | RAD-201785, CCL004282-M, CCL005818-A, RAD-201790, CCL005993-A, CCL004283-M, CCL004284-M, CCL004285-M, CCL005994-A, RAD-201785, CCL004286-M, RAD-201784, CCL005984-A, CCL004264-M, CCL004267-M, CCL004287-M, CCL004288-M, CCL004289-M, RAD-201783, RAD-201819, CCL005983-A, CCL004292-M, CCL005968-A, CCL004293-M, CCL004294-M, RAD-201781, CCL004296-M, CCL002053-X, CCL004295-M, CCL002054-X, CCL005978-A, 020750250FLE, 018765265FLE, 020750237FLE, 020750297FLE, 020750238FLE, 020750298FLE, 020750299FLE, 018765548FLE, 018765549FLE, CCL005966-A, CCL005982-A, CCL005992-A, CCL005981-A, CCL005980-A, CCL005975-A, CCL005987-A, CCL005976-A, CCL005986-A, CCL005991-A, CCL005963-A, CCL005967-A, CCL005990- |
| May 6, 2025 | 397,001 | | CCL005993-A, CCL005988-A, CCL005989-A, CCL005961-A, CCL006070-A, CCL006072-A, CCL005949-A, CCL004130-M, CCL006066-A, CCL004131-M, RAD-201766, RAD-201738, RAD-201743, CCL002055-X, CCL004291-M, RAD-201833, CCL004297-M, RAD-201832, RAD-201831, CCL002056-X, CCL004299-M, RAD-201830, CCL004262-M, CCL004298-M, RAD-201774, CCL004263-M, RAD-201773, RAD-201772, CCL004132-M, RAD-201771, CCL004133-M, CCL005958-A, RAD-201856, CCL002057-X, RAD-201855, CCL002049-X, CCL005971-A, RAD-201854, RAD-201853, CCL004135-M, RAD-201834, CCL006069-A, RAD-201829, 020750201FLE, 018765550FLE, 020750300FLE, 020750301FLE, 020750302FLE, 020750251FLE, 020750252FLE, 020750202FLE, 018765551FLE, 018765552FLE, 018765553FLE, RAD-201739, CCL006065-A, CCL005957-A, CCL006071-A, CCL005950-A, CCL006068-A, CCL005954-A, CCL005960-A, CCL005974-A, CCL005959-A, CCL005951-A, CCL005953-A |
| May 7, 2025 | 320,554 | | CCL006091-A, CCL006067-A, CCL005952-A, CCL005973-A, CCL005955-A, CCL005972-A, CCL005970-A, CCL005948-A, CCL005965-A, CCL006091-A, CCL006093-A, CCL006081-A, CCL006060-A, CCL006059-A, CCL006086-A, CCL006103-A, CCL006104-A, CCL006105-A, CCL006095-A, CCL006082-A, CCL006092-A, CCL006107-A, CCL006090-A, CCL006078-A, RAD-201838, CCL006061-A, RAD-201840, CCL006102-A, CCL002039-X, CCL006064-A, CCL004138-M, RAD-201839, CCL006063-A, RAD-201846, CCL004140-M, CCL004141-M, CCL006084-A, CCL006057-A, CCL006077-A, 020750239FLE, 020750303FLE, 020750253FLE, 020750203FLE, 018765268FLE, 018765267FLE, 020750204FLE, 020750304FLE, 020750240FLE, CCL006054-A, CCL006053-A, CCL006075-A, CCL006108-A, CCL006076-A, CCL006074-A, CCL006087-A, CCL006073-A, CCL006083-A, |
| May 8, 2025 | 392,242 | | CCL006079-A, CCL006085-A, CCL006080-A, CCL006088-A, CCL006111-A, CCL006045-A, CCL006043-A, CCL006099-A, CCL006046-A, CCL006101-A, CCL006106-A, CCL006098-A, CCL006113-A, CCL006032-A, CCL006109-A, CCL006030-A, CCL006049-A, CCL006050-A, CCL006044-A, CCL006048-A, CCL006033-A, CCL006031-A, CCL006110-A, CCL006042-A, CCL006096-A, CCL004136-M, CCL002040-X, RAD-201849, RAD-201847, RAD-201851, CCL004139-M, CCL006029-A, RAD-201841, CCL004300-M, CCL004302-M, RAD-201842, CCL002042-X, CCL002026-X, CCL002025-X, CCL004303-M, CCL002027-X, CCL002041-X, CCL004301-M, RAD-201845, RAD-201848, RAD-201852, CCL006097-A, CCL006047-A, CCL006112-A, RAD-201843, RAD-201844, RAD-201850, RAD-201837, CCL004304-M, RAD-201836, RAD-201835, RAD-201742, CCL004305-M, CCL004306-M, CCL006052-A, RAD-201811, RAD-201809, CCL004308-M, RAD-201810, CCL006114-A, 020750205FLE, 018765269FLE |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| May 9, 2025 | 255,331 | 10,232 | CCL006037-A, 020750306FLE, 020750307FLE, 020750308FLE, 020750206FLE, 020750254FLE, CCL006051-A, CCL006028-A, CCL006100-A, CCL006037-A, CCL006019-A, CCL006157-A, CCL006026-A, CCL006153-A, CCL006022-A, CCL006023-A, CCL006152-A, CCL006027-A, CCL006036-A, CCL006155-A, CCL006035-A, CCL006160-A, CCL006151-A, CCL006024-A, CCL006040-A, CCL006158-A, CCL006154-A, CCL006148-A, CCL006150-A, CCL006020-A, CCL006156-A, CCL006039-A, CCL006041-A, CCL006021-A, RAD-201808, CCL006038-A, CCL006159-A, CCL006145-A, RAD-201814, CCL002058-X, CCL004307-M, CCL004309-M, CCL004310-M, CCL004311-M, RAD-201813, CCL004312-M, 020750335FLE, 020750336FLE |
| May 10, 2025 | 105,719 | 1,263 | CCL006138-A, RAD-201804, CCL006034-A, 020750309FLE, 020750310FLE, 020750241FLE, CCL006025-A, CCL006147-A, CCL006146-A, CCL006138-A, CCL006140-A, CCL006133-A, CCL006137-A, CCL006142-A, CCL006143-A, CCL006141-A, CCL006139-A, CCL006144-A, CCL004313-M, 020750338FLE |
| May 11, 2025 | 78,485 | | CCL002115-X, CCL004315-M, RAD-201805, RAD-201806, RAD-201873, CCL004326-M, CCL004327-M, CCL004325-M, CCL004328-M, CCL002115-X, CCL002065-X, CCL006131-A, RAD-201875, CCL006132-A, CCL006129-A |
| May 12, 2025 | 333,408 | | CCL006135-A, CCL006128-A, CCL006127-A, CCL006126-A, CCL006125-A, RAD-201870, CCL006124-A, CCL004329-M, CCL004316-M, CCL006135-A, CCL006136-A, CCL004330-M, RAD-201869, CCL006134-A, CCL006122-A, CCL006123-A, CCL006121-A, CCL006120-A, RAD-201872, CCL006119-A, |
| May 13, 2025 | 354,996 | | 020750312FLE, 020750242FLE, 020750311FLE, 020750209FLE, 020750255FLE, CCL006197-A, CCL006198-A, CCL006199-A, CCL006200-A, CCL006201-A, CCL004369-M, CCL006202-A, CCL004371-M, CCL006237-A, CCL006236-A, CCL006235-A, CCL006233-A, CCL006232-A, CCL006234-A, RAD-201858, CCL006231-A, CCL002069-X, CCL006230-A, CCL002070-X, CCL006229-A, CCL006228-A, CCL006227-A, CCL006226-A, CCL004353-M, CCL006225-A, CCL002071-X, CCL004354-M, CCL004355-M, RAD-201788, RAD-201787, CCL004356-M, CCL006184-A, CCL006182-A, CCL006181-A, CCL006183-A, CCL006185-A, CCL006186-A, CCL006187-A, RAD-201906, CCL006188-A, RAD-201905, CCL006190-A, CCL006272-A, CCL006271-A, CCL006191-A, CCL006269-A, CCL006268-A, CCL006267-A, CCL006266-A, CCL006270-A, CCL006265-A, CCL004357-M, CCL006264-A, CCL006263-A, CCL006262-A, CCL004358-M, CCL006189-A, CCL004370-M |
| May 14, 2025 | 313,376 | | 020750313FLE, 020750256FLE, 020750257FLE, 020750339FLE, 020750340FLE, CCL006261-A, CCL006260-A, CCL006259-A, CCL006258-A, CCL006257-A, CCL006256-A, RAD-201904, CCL006255-A, CCL006254-A, CCL006253-A, CCL006252-A, RAD-201903, CCL006251-A, RAD-201902, CCL006250-A, CCL004360-M, CCL006246-A, RAD-201780, CCL006240-A, CCL006239-A, CCL004362-M, CCL006245-A, CCL004361-M, CCL006244-A, CCL006243-A, CCL006242-A, CCL004363-M, CCL006241-A, RAD-201901, CCL006248-A, RAD-201900, RAD-201899, CCL006247-A, CCL006238-A, RAD-201898, CCL006204-A, CCL006203-A, CCL004364-M, CCL006206-A, CCL006207-A, RAD-201897, CCL004366-M, CCL006208-A, CCL006209-A, CCL006322-A, CCL006323-A, CCL004367-M, CCL006324-A |
| May 15, 2025 | 298,459 | | 020750314FLE, 020750315FLE, 020750316FLE, 020750258FLE, 020750341FLE, CCL006328-A, CCL006325-A, CCL006329-A, CCL006326-A, CCL004372-M, CCL006330-A, CCL006327-A, CCL006331-A, CCL004365-M, CCL006332-A, RAD-201895, RAD-201896, CCL006333-A, RAD-201894, CCL006334-A, RAD-201893, CCL006335-A, CCL006336-A, CCL004373-M, RAD-201892, CCL004374-M, RAD-201891, CCL006337-A, CCL006338-A, CCL006273-A, CCL006274-A, CCL004375-M, CCL002072-X, CCL004376-M, CCL004377-M, CCL006289-A, CCL006290-A, RAD-201741, RAD-201908, CCL004378-M, CCL002073-X, RAD-201907, CCL006291-A, CCL006292-A, CCL006293-A, CCL004379-M, CCL006294-A, CCL006295-A, CCL006296-A, CCL006275-A |

# *Chiquita Canyon Landfill*
# *Site Generated Leachate and Condensate Disposal*
# *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| May 16, 2025 | 238,125 | | CCL006276-A, 020750317FLE, 020750265FLE, 018765273FLE, 020750342FLE, 020750318FLE, 020750259FLE, 020750319FLE, 020750266FLE, CCL006276-A, CCL006277-A, RAD-201909, CCL004388-M, RAD-201928, CCL006278-A, CCL006279-A, RAD-201910, CCL006280-A, CCL006281-A, RAD-201865, CCL006282-A, CCL002074-X, RAD-201864, CCL006283-A, CCL004389-M, RAD-201857, CCL004390-M, CCL006284-A, CCL004391-M, RAD-201860, CCL004392-M, CCL004393-M, CCL006286-A, CCL006287-A, CCL006285-A, CCL004394-M, CCL006288-A, CCL006298-A, CCL006297-A, CCL006299-A, CCL006300-A, RAD-201862, CCL004404-M |
| May 17, 2025 | 98,447 | | CCL006301-A, CCL004395-M, RAD-201863, 020750267FLE, 020750268FLE, 020750320FLE, 020750321FLE, 018765266FLE, 020750260FLE, CCL006301-A, CCL006304-A, CCL006305-A, CCL004405-M, CCL006306-A, CCL006307-A, RAD-201871, CCL006308-A, CCL006302-A |
| May 18, 2025 | 94,889 | | CCL006312-A, RAD-201770, CCL004396-M, CCL004397-M, CCL006310-A, CCL004399-M, CCL004398-M, CCL004400-M, 018765274FLE, CCL006312-A, CCL006314-A, RAD-201807, RAD-201782, RAD-201890, CCL006315-A, RAD-201889, CCL004401-M |
| May 19, 2025 | 313,954 | | CCL006313-A, CCL006311-A, CCL006319-A, CCL006316-A, RAD-201888, CCL004402-M, CCL006320-A, CCL006321-A, CCL006313-A, CCL006211-A, CCL004403-M, CCL006212-A, CCL006213-A, CCL006214-A, CCL006216-A, CCL006215-A, CCL006339-A, CCL006340-A, RAD-201887, CCL006341-A, CCL006342-A, RAD-201886, CCL004406-M, RAD-201885, CCL006343-A, CCL004407-M, CCL006344-A, CCL006345-A, CCL006346-A, CCL004408-M, CCL006347-A, CCL004409-M, CCL004410-M, CCL004411-M, CCL006349-A, CCL006348-A, CCL006350-A, RAD-201923, CCL006351-A, RAD-201926, RAD-201925, CCL006352-A, CCL006353-A, CCL006354-A, CCL006355-A, CCL004412-M, CCL006357-A, CCL006356-A, RAD-201924, RAD-201922, CCL006359-A, CCL004413-M, CCL006360-A, CCL006362-A, CCL004414-M, CCL006210-A, CCL006361-A |
| May 20, 2025 | 344,577 | | CCL006358-A, 020750326FLE, 020750324FLE, 020750325FLE, 020750359FLE, 020750210FLE, 020750361FLE, 020750360FLE, 020750322FLE, CCL006363-A, RAD-201921, CCL006365-A, CCL006364-A, CCL006358-A, CCL006366-A, CCL004415-M, CCL006367-A, RAD-201919, RAD-201920, CCL006368-A, CCL006369-A, RAD-201918, CCL006370-A, RAD-201917, CCL006371-A, CCL004416-M, CCL006396-A, CCL006395-A, RAD-201916, CCL004423-M, CCL006397-A, CCL006398-A, CCL004422-M, CCL004424-M, CCL004425-M, CCL006399-A, RAD-201915, CCL004426-M, CCL006400-A, CCL006401-A, RAD-201914, CCL006402-A, CCL006403-A, CCL006405-A, CCL006404-A, CCL004428-M, CCL006406-A, RAD-201913, CCL006407-A, RAD-201912, CCL004429-M, CCL006409-A, CCL006408-A, CCL004430-M, CCL004431-M, RAD-201911, CCL006410-A, CCL006412-A, CCL006411-A, CCL006413-A, CCL006414-A, CCL004432-M |
| May 21, 2025 | 264,064 | | CCL006418-A, 020750328FLE, 020750324FLE, 020750325FLE, 020750269FLE, 020750270FLE, 020750345FLE, 020750344FLE, 020750364FLE, CCL006418-A, 020750328FLE, 020750272FLE, CCL006373-A, CCL004443-M, CCL004437-M, CCL006417-A, CCL006419-A, CCL006423-A, CCL006374-A, 020750358FLE, CCL006415-A, CCL006422-A, CCL004442-M, CCL004434-M, 020750357FLE, CCL006416-A, CCL006375-A, CCL006425-A, CCL006379-A, CCL006427-A, CCL006428-A, CCL006426-A, CCL004433-M, CCL006420-A, CCL006382-A, CCL006376-A, CCL006421-A, CCL004436-M, RAD-201879, 020750327FLE, CCL004435-M, CCL006372-A, CCL006377-A, CCL004427-M, RAD-201884, CCL006424-A, CCL006381-A, |
| May 22, 2025 | 302,552 | | CCL006430-A, RAD-201882, CCL004440-M, RAD-201881, RAD-201879, RAD-201880, RAD-201927, RAD-201877, RAD-201933, CCL006436-A, CCL004418-M, 018765275FLE, CCL004444-M, CCL004455-M, 020750367FLE, 020750329FLE, CCL004417-M, CCL004446-M, CCL006386-A, CCL004451-M, CCL006388-A, CCL006432-A, CCL006429-A, CCL004454-M, CCL006389-A, CCL004449-M, CCL004445-M, CCL004448-M, 020750330FLE, CCL006435-A, CCL006433-A, CCL006434-A, CCL006440-A, CCL006430-A, CCL006383-A, CCL006439-A, CCL006385-A, CCL004421-M, 020750331FLE, CCL006387-A, CCL006442-A, CCL004419-M, CCL004452-M, CCL006437-A, CCL006431-A, CCL006384-A, CCL006438-A, CCL004447-M, CCL004439-M, CCL006441-A, RAD-201980, RAD-201948, CCL004450-M, CCL004420-M, RAD-201978, 020750363FLE, RAD-201975 |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| May 23, 2025 | 235,859 | | CCL004384-M, CCL004453-M, RAD-201961, RAD-201949, RAD-201979, RAD-201944, RAD-201945, RAD-201946, RAD-201977, CCL004384-M, CCL004459-M, 020750390FLE, CCL004381-M, CCL006444-A, CCL006018-A, 020750391FLE, CCL006443-A, CCL006450-A, CCL006115-A, CCL004461-M, CCL006447-A, CCL004460-M, 020750404FLE, CCL004458-M, CCL004457-M, CCL006453-A, CCL006445-A, CCL006456-A, CCL006458-A, CCL006452-A, CCL004462-M, CCL006448-A, 020750405FLE, CCL006446-A, CCL006162-A, CCL006455-A, CCL006390-A, CCL004383-M, CCL004382-M, CCL006449-A, CCL004464-M, CCL006161-A, CCL004463-M |
| May 24, 2025 | 134,792 | | CCL006017-A, CCL004441-M, CCL006223-A, CCL006451-A, RAD-201973, CCL006457-A, RAD-201974, RAD-201996, RAD-201932, CCL006017-A, CCL004465-M, CCL004385-M, CCL006016-A, CCL004386-M, CCL006015-A, RAD-201989, CCL006014-A, CCL004387-M, RAD-201988, RAD-201987, CCL004317-M, CCL006013-A, CCL004467-M, CCL004466-M |
| May 25, 2025 | 43,627 | | CCL006219-A, CCL006011-A, CCL006392-A, CCL004318-M, CCL006393-A, CCL004319-M, CCL004320-M, CCL006394-A |
| May 26, 2025 | 333,430 | | CCL006221-A, CCL006222-A, CCL006459-A, CCL006460-A, CCL006217-A, RAD-201986, CCL004322-M, CCL006009-A, CCL006010-A, CCL006498-A, CCL006497-A, CCL006496-A, CCL004468-M, CCL006495-A, RAD-201985, CCL004333-M, CCL004469-M, CCL006006-A, CCL006494-A, CCL004332-M, CCL006007-A, CCL004470-M, CCL006012-A, CCL004471-M, RAD-201994, CCL006004-A, CCL006003-A, CCL006391-A, CCL004334-M, CCL004335-M, CCL006001-A, CCL004338-M, CCL006002-A, CCL004336-M, CCL004321-M, CCL006544-A, CCL006545-A, RAD-201993, CCL004339-M, CCL006005-A, CCL006546-A, RAD-201992, CCL006564-A, CCL006565-A, CCL006547-A, RAD-201990, CCL006548-A, CCL006566-A, RAD-201991, CCL004340-M, CCL006550-A, CCL006549-A, CCL004341-M, CCL006551-A, CCL006552-A, CCL006553-A |
| May 27, 2025 | 349,324 | | 020750113FLE, 020750332FLE, 020750406FLE, 020750392FLE, RAD-201984, CCL004342-M, CCL006556-A, CCL006557-A, CCL004343-M, CCL004344-M, RAD-201983, CCL004345-M, CCL004346-M, CCL006559-A, CCL006558-A, RAD-201982, CCL006560-A, CCL006561-A, CCL004347-M, CCL006562-A, RAD-202000, CCL004337-M, RAD-201999, CCL006563-A, CCL006611-A, RAD-201958, RAD-201966, CCL006610-A, RAD-201972, CCL006609-A, CCL006608-A, RAD-201971, CCL004540-M, CCL006607-A, CCL006606-A, CCL004539-M, CCL006605-A, CCL004538-M, CCL004537-M, CCL006604-A, CCL006603-A, CCL004535-M, CCL006602-A, CCL006601-A, RAD-201970, CCL006600-A, RAD-201969, CCL006599-A, CCL006598-A, CCL006596-A, CCL004534-M, CCL006593-A, CCL006594-A, CCL004533-M, CCL006592-A, CCL006591-A, CCL006590-A, CCL006597-A |
| May 28, 2025 | 326,576 | | 020750370FLE, 020750407FLE, 020750408FLE, 020750409FLE, CCL004518-M, CCL004530-M, 020750369FLE, CCL006468-A, 020750114FLE, 020750411FLE, CCL006465-A, 020750371FLE, CCL004524-M, CCL006576-A, CCL006569-A, CCL006466-A, CCL006581-A, CCL006580-A, CCL006584-A, CCL006570-A, CCL004528-M, CCL006587-A, 020750410FLE, CCL004527-M, CCL006574-A, CCL006568-A, CCL004526-M, CCL006572-A, CCL004529-M, CCL006571-A, CCL004523-M, CCL004522-M, CCL006575-A, CCL006464-A, CCL006578-A, CCL006463-A, CCL004519-M, 020750412FLE, CCL006467-A, CCL004531-M, CCL004536-M, CCL004525-M, CCL006462-A, CCL006588-A, CCL006461-A, RAD-201959, CCL004520-M, CCL006583-A, CCL006582-A, CCL006567-A, CCL006573-A, |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| May 29, 2025 | 312,399 | | [illegible] 201968, RAD-201964, RAD-201998, RAD-201960, CCL006469-A, RAD-201954, CCL004517-M, CCL006470-A, CCL006471-A, CCL004516-M, CCL004515-M, CCL006472-A, CCL006473-A, CCL004514-M, CCL004513-M, CCL006474-A, CCL004521-M, RAD-201952, RAD-201953, CCL006475-A, CCL004512-M, CCL006476-A, RAD-201951, CCL004511-M, RAD-201938, CCL004510-M, CCL006477-A, RAD-201937, CCL006626-A, CCL006627-A, CCL004509-M, CCL006628-A, CCL004541-M, CCL006629-A, CCL004542-M, CCL006625-A, CCL004508-M, CCL004543-M, CCL006630-A, CCL006631-A, CCL006632-A, CCL006633-A, CCL006634-A, CCL006635-A, CCL006636-A, CCL004545-M, CCL006637-A, CCL006638-A, CCL006640-A, CCL006641-A, CCL004548-M |
| May 30, 2025 | 321,203 | | [illegible] 020750115FLE, 020750373FLE, 020750393FLE, 020750413FLE, 020750414FLE, CCL004549-M, RAD-201935, CCL006643-A, CCL004550-M, CCL006644-A, CCL004544-M, CCL004551-M, CCL006645-A, RAD-201936, CCL006646-A, RAD-201943, CCL006647-A, CCL004547-M, CCL006649-A, CCL004552-M, CCL006650-A, RAD-201876, CCL006651-A, RAD-201859, CCL006652-A, CCL006653-A, RAD-201861, RAD-201868, RAD-201866, CCL006654-A, CCL006655-A, CCL004553-M, CCL006656-A, CCL004554-M, CCL006657-A, CCL004555-M, CCL006658-A, CCL004557-M, CCL004558-M, CCL006659-A, RAD-201950, CCL006661-A, CCL006660-A, CCL006664-A, CCL006662-A, CCL006663-A, CCL006665-A, CCL006666-A, CCL006667-A, CCL006668-A, CCL004561-M, CCL006669-A, CCL006670-A, CCL004564-M, |
| May 31, 2025 | 121,619 | | CCL006671-A, 020750416FLE, 020750417FLE, 020750418FLE, 020750419FLE, 020750395FLE, 020750374FLE, 020750116FLE, 020750415FLE, CCL006671-A, CCL006672-A, CCL004556-M, CCL006674-A, CCL006478-A, CCL006479-A, CCL004565-M, CCL006480-A, CCL004559-M, CCL006481-A, CCL004566-M, CCL006482-A, CCL006483-A |
| | | | |
| | | | |
| **May 2025 Total** | **7,781,365** | **11,495** | |
| | | | **June** |
| June 1, 2025 | 38,497 | | CCL004573-M, CCL006486-A, CCL004563-M, CCL004567-M, RAD-201874, CCL004570-M, RAD-201867, RAD-201929 |
| June 2, 2025 | 291,407 | | [illegible] M, CCL006487-A, CCL006488-A, CCL006490-A, CCL006491-A, 020750396FLE, 020750377FLE, CCL004576-M, CCL006619-A, CCL006680-A, CCL006531-A, 020750394FLE, CCL006617-A, CCL006534-A, CCL006537-A, CCL006536-A, CCL006615-A, CCL004585-M, CCL004582-M, CCL006493-A, CCL006008-A, CCL004575-M, CCL006614-A, CCL004578-M, CCL004574-M, 020750376FLE, CCL006623-A, CCL006677-A, CCL006620-A, CCL004569-M, CCL006533-A, CCL004579-M, CCL004580-M, CCL004586-M, CCL006612-A, CCL006538-A, CCL006618-A, CCL006535-A, CCL004577-M, CCL004581-M, CCL006676-A, CCL004571-M, CCL006622-A, CCL004584-M, CCL006532-A, CCL006621-A, CCL004568-M, CCL006675-A, CCL004583-M |
| June 3, 2025 | 245,762 | | [illegible] CCL006679-A, CCL006616-A, RAD-203025, RAD-203020, CCL004587-M, 020750118FLE, 021048047FLE, CCL006689-A, CCL006682-A, CCL006697-A, 021048048FLE, CCL004594-M, CCL004595-M, CCL006698-A, CCL006699-A, CCL006690-A, CCL004588-M, CCL006543-A, CCL004590-M, CCL004505-M, 020750117FLE, CCL006540-A, CCL006691-A, CCL006542-A, CCL004589-M, CCL006539-A, CCL006692-A, CCL006703-A, CCL006702-A, CCL004591-M, CCL006688-A, CCL006541-A, CCL004507-M, CCL006700-A, CCL004596-M, CCL006695-A, CCL006704-A, CCL006696-A, CCL004506- |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| June 4, 2025 | 290,137 | | CCL004596-M, CCL006687-A, CCL006691-A, CCL006695-A, CCL006701-A, CCL006693-A, CCL006686-A, CCL006694-A, CCL004593-M, CCL004598-M, CCL004638-M, 020750212FLE, CCL006705-A, CCL006708-A, CCL004630-M, CCL004634-M, CCL006784-A, CCL004599-M, CCL006783-A, CCL006716-A, CCL006706-A, CCL006779-A, CCL006785-A, 020750211FLE, CCL006773-A, CCL006775-A, 020750397FLE, CCL006717-A, CCL006780-A, CCL004628-M, CCL006777-A, CCL004629-M, CCL006778-A, CCL004632-M, CCL006770-A, CCL006782-A, CCL004601-M, CCL006712-A, CCL006709-A, CCL004631-M, CCL006776-A, CCL004627-M, CCL004600-M, CCL006774-A, CCL006715-A, CCL006714-A, CCL006711-A, CCL006771-A, 021048046FLE, CCL004639-M, CCL006781-A, CCL006772-A, CCL004592-M |
| June 5, 2025 | 315,069 | | CCL004645-M, CCL004656-M, CCL006707-A, CCL004597-M, CCL004637-M, CCL006710-A, 020750378FLE, CCL004633-M, 020750379FLE, CCL004643-M, CCL004660-M, 020750213FLE, CCL000576-X, 020750380FLE, 020750224FLE, CCL004655-M, CCL000777-X, CCL006744-A, CCL006763-A, CCL006756-A, CCL004647-M, CCL006767-A, CCL004650-M, CCL006752-A, CCL006738-A, 021052165FLE, 020750223FLE, CCL006765-A, CCL006757-A, CCL006762-A, 021052164FLE, CCL006745-A, CCL006742-A, CCL006740-A, CCL006718-A, CCL006751-A, CCL006761-A, CCL006737-A, CCL006743-A, 020750420FLE, CCL006749-A, 021052162FLE, CCL004635-M, CCL006769-A, CCL004651-M, CCL006746-A, CCL006753-A, CCL006754-A, 020750381FLE, CCL006741-A, CCL006766-A, CCL004641-M, CCL000574-X, CCL004654-M, CCL006759-A, CCL004646- |
| June 6, 2025 | 307,531 | | CCL006512-A, CCL004652-M, CCL006758-A, CCL006760-A, CCL004645-M, CCL006747-A, CCL006768-A, CCL006748-A, CCL006750-A, CCL006512-A, CCL004612-M, CCL004602-M, 020750422FLE, 020750421FLE, 020750382FLE, CCL004659-M, CCL006726-A, 020750120FLE, 021048065FLE, CCL004606-M, CCL006730-A, 020750226FLE, CCL006514-A, CCL006505-A, 020750383FLE, CCL006724-A, CCL004662-M, CCL006721-A, CCL004657-M, CCL006732-A, CCL006507-A, 021052279FLE, CCL006510-A, CCL006734-A, CCL006506-A, CCL006729-A, CCL004609-M, CCL004605-M, 021052163FLE, CCL006530-A, CCL004661-M, 020750225FLE, CCL004604-M, CCL006727-A, 020750119FLE, CCL006513-A, CCL004613-M, CCL006722-A, CCL004607-M, CCL006504-A, CCL006731-A, CCL006720-A, CCL006736-A, CCL004653-M, CCL006515-A, CCL006719-A, CCL004603-M, CCL006735-A |
| June 7, 2025 | 176,161 | | 020750398FLE, CCL006508-A, CCL006503-A, CCL004611-M, CCL006723-A, CCL004658-M, CCL006728-A, CCL006725-A, CCL006733-A, 020750398FLE, 020750448FLE, 020750121FLE, CCL004610-M, 021052278FLE, CCL006522-A, CCL006528-A, 020750423FLE, 020750449FLE, CCL006521-A, CCL004618-M, CCL006518-A, CCL006520-A, CCL006519-A, CCL006524-A, CCL006526-A, CCL004617-M, 021052277FLE, CCL004621-M, RAD-203038, 020750447FLE, CCL006517-A, |
| June 8, 2025 | 78,321 | | CCL006502-A, CCL004608-M, CCL006523-A, CCL004620-M, CCL006527-A, CCL006511-A, CCL004615-M, CCL004616-M, CCL004614-M, CCL006502-A, CCL004623-M, CCL006842-A, CCL006844-A, CCL006845-A |
| June 9, 2025 | 335,129 | | CCL004604-M, CCL004622-M, CCL006520-A, CCL006691-A, 021052352FLE, CCL006843-A, RAD-203037, RAD-203036, RAD-203035, CCL004504-M, CCL004625-M, 020750399FLE, 020750384FLE, CCL006863-A, CCL006861-A, CCL006853-A, CCL006864-A, CCL006855-A, CCL006867-A, CCL006835-A, CCL004663-M, CCL006851-A, 020750451FLE, CCL006833-A, CCL004671-M, 020750385FLE, CCL006865-A, CCL004669-M, CCL006846-A, CCL006866-A, CCL006850-A, CCL006858-A, CCL006868-A, CCL006849-A, CCL006834-A, CCL004502-M, CCL006836-A, CCL004670-M, CCL004664-M, CCL006847-A, CCL006857-A, CCL006859-A, CCL006854-A, 020750450FLE, CCL006860-A, CCL004665-M, CCL006856-A, CCL006848-A, CCL006875-A, CCL006852-A, CCL006869-A, CCL004666-M, CCL006832-A, CCL006862-A, CCL006840-A, CCL006837-A, CCL006870-A, CCL004624-M, CCL006839-A, CCL004626-M, CCL006831-A |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| June 10, 2025 | 343,747 | | [illegible], CCL006872-A, CCL004668-M, RAD-203018, RAD-203019, CCL004674-M, CCL004688-M, CCL006816-A, CCL006881-A, CCL006880-A, CCL004689-M, CCL006814-A, CCL006828-A, CCL006826-A, CCL004679-M, CCL006883-A, CCL004672-M, CCL006886-A, CCL004673-M, CCL004686-M, CCL006890-A, CCL004685-M, CCL006815-A, CCL006887-A, CCL006879-A, CCL006874-A, CCL006873-A, CCL006830-A, CCL004676-M, CCL006825-A, CCL004675-M, CCL006877-A, 020750452FLE, CCL006817-A, CCL006823-A, CCL004667-M, CCL006824-A, CCL006820-A, CCL006876-A, CCL006819-A, CCL004678-M, CCL006882-A, CCL004681-M, CCL004687-M, CCL006821-A, CCL006813-A, CCL006891-A, CCL006822-A, CCL004680-M, RAD-203011, CCL006829-A, CCL006818-A, CCL006884-A, CCL006827-A, CCL006888-A, CCL006885-A, CCL006892-A, CCL004683-M |
| June 11, 2025 | 342,520 | | [illegible], RAD-203017, RAD-203013, RAD-203012, RAD-203016, 020750122FLE , 020750123FLE , CCL004720-M, 020750215FLE , 020750229FLE , CCL006899-A, CCL004723-M, CCL006894-A, CCL004732-M, CCL006905-A, CCL006908-A, CCL004730-M, CCL006917-A, 020750424FLE , CCL004725-M, CCL006918-A, CCL006915-A, 020750227FLE , 020750214FLE , CCL006902-A, CCL004722-M, CCL006896-A, CCL006904-A, CCL006913-A, CCL006911-A, CCL006811-A, CCL006900-A, CCL006895-A, CCL006912-A, CCL006897-A, CCL004719-M, CCL004682-M, 020750230FLE , CCL006812-A, CCL006906-A, CCL006914-A, CCL006893-A, CCL006916-A, CCL006903-A, CCL006898-A, CCL006901-A, CCL006919-A, CCL006909-A, CCL006810-A, RAD-203031, 020750228FLE , CCL004721-M, CCL004726-M, CCL006910-A, CCL006907-A, RAD-203009, CCL004731-M, CCL004728-M |
| June 12, 2025 | 330,493 | | [illegible], 203008, RAD-203029, RAD-203010, RAD-203030, CCL004744-M, CCL004741-M, 020750125FLE , CCL004734-M, CCL006932-A, CCL006809-A, 020750126FLE , CCL004742-M, 020750124FLE , CCL004739-M, 020750440FLE , CCL006928-A, CCL006935-A, CCL006927-A, 020750216FLE , CCL006924-A, CCL006931-A, CCL004737-M, CCL006922-A, CCL006925-A, CCL006938-A, CCL006804-A, CCL006805-A, CCL004733-M, 020750217FLE , CCL006926-A, CCL006942-A, CCL006806-A, CCL006807-A, CCL006920-A, 020750218FLE , CCL004743-M, CCL006934-A, CCL006929-A, CCL006921-A, CCL006923-A, CCL006939-A, CCL006930-A, CCL004735-M, CCL006937-A, CCL006940-A, CCL006808-A, CCL006943-A, CCL004729-M, CCL006936-A, CCL006945-A, CCL004740-M, CCL006944-A, CCL004738-M, 020750219FLE , CCL006941-A |
| June 13, 2025 | 321,794 | | [illegible], RAD-203026, RAD-203023, RAD-203152, RAD-203022, CCL004727-M, CCL006974-A, 020750127FLE , CCL004752-M, 020750128FLE , CCL006796-A, 020750220FLE , 020750444FLE , 020750453FLE , 020750443FLE , 020750221FLE , CCL006968-A, CCL006961-A, CCL006798-A, CCL006959-A, CCL004748-M, CCL006788-A, CCL006800-A, CCL006801-A, CCL006960-A, CCL006797-A, CCL006802-A, CCL004700-M, CCL006792-A, CCL006793-A, CCL006794-A, CCL006965-A, CCL006790-A, CCL006789-A, CCL006963-A, CCL006964-A, CCL004745-M, CCL006803-A, CCL004749-M, CCL004747-M, CCL006799-A, 020750388FLE , CCL006966-A, CCL004751-M, CCL006969-A, CCL006947-A, CCL004692-M, CCL006787-A, 020750387FLE , CCL006958-A, CCL006962-A, CCL006967-A, RAD-203144, CCL006976-A, |
| June 14, 2025 | 138,326 | | [illegible], CCL004693-M, RAD-203146, RAD-202004, RAD-203148, RAD-203142, RAD-203145, RAD-203141, RAD-203147, RAD-203149, CCL004693-M, CCL004701-M, CCL004697-M, CCL006953-A, CCL004694-M, CCL006978-A, CCL004696-M, CCL006951-A, CCL006952-A, CCL006950-A, CCL006971-A, CCL006949-A, CCL006972-A, CCL006791-A, CCL004690-M, CCL004702-M |
| June 15, 2025 | 71,966 | | [illegible], CCL004698-M, CCL006977-A, CCL006973-A, CCL006955-A, CCL006970-A, CCL006956-A, RAD-202005, RAD-203108, RAD-202006, CCL004698-M, CCL006979-A, CCL006985-A, CCL006986-A |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| June 16, 2025 | 301,615 | | CCL004709-M, CCL006988-A, CCL006985-A, CCL006984-A, CCL006981-A, CCL006982-A, RAD-203109, RAD-203121, RAD-203110, CCL004709-M, CCL004705-M, 020750454FLE, CCL004711-M, CCL007018-A, CCL004703-M, CCL006992-A, CCL006994-A, CCL004708-M, 020750425FLE, CCL007013-A, 020750455FLE, CCL004750-M, CCL006998-A, CCL007006-A, CCL007007-A, CCL007009-A, CCL007001-A, CCL007015-A, CCL004713-M, CCL007010-A, CCL007012-A, CCL006989-A, CCL004699-M, CCL004706-M, CCL006997-A, CCL007003-A, CCL007014-A, CCL007019-A, CCL006991-A, CCL007017-A, CCL006954-A, CCL004695-M, CCL007002-A, CCL004707-M, CCL006996-A, CCL006987-A, CCL004704-M, CCL004710-M, CCL006990-A, CCL007008-A, CCL006999-A, CCL007004-A, CCL007000-A, RAD- |
| June 17, 2025 | 349,271 | | RAD-203119, RAD-203118, RAD-203117, RAD-203122, CCL004715-M, CCL004051-M, 020750426FLE, 020750457FLE, CCL007025-A, CCL004055-M, CCL004059-M, CCL007065-A, CCL004052-M, CCL007060-A, CCL004058-M, CCL007034-A, CCL007023-A, CCL007035-A, CCL007022-A, CCL007026-A, CCL007037-A, CCL007063-A, CCL004049-M, CCL007058-A, CCL004717-M, CCL007031-A, CCL004712-M, CCL007033-A, CCL004050-M, CCL007024-A, CCL007042-A, CCL007056-A, CCL007041-A, CCL007059-A, CCL007030-A, CCL004503-M, CCL007043-A, CCL007061-A, CCL007020-A, CCL007039-A, 020750456FLE, CCL007027-A, CCL007038-A, CCL007036-A, RAD-201997, CCL004048-M, CCL007028-A, RAD-203115, CCL004718-M, CCL004716-M, CCL007062-A, CCL007064-A, CCL007021-A, CCL004714-M, CCL007040-A, RAD-203116, CCL007029-A, RAD-203112 |
| June 18, 2025 | 317,017 | | CCL004717-M, RAD-203130, RAD-203129, CCL007057-A, RAD-203111, RAD-203114, RAD-202002, RAD-203113, RAD-203126, CCL004777-M, CCL004060-M, CCL004774-M, CCL007072-A, CCL004067-M, CCL007045-A, 020750552FLE , CCL007048-A, 020750445FLE , CCL007069-A, 020750551FLE , 020750553FLE , CCL007081-A, CCL004065-M, CCL007078-A, CCL004063-M, CCL007070-A, CCL007082-A, CCL007085-A, CCL007046-A, CCL007049-A, CCL004778-M, CCL004062-M, CCL007071-A, CCL007052-A, CCL007073-A, CCL007047-A, CCL004772-M, CCL007068-A, CCL007084-A, CCL007050-A, CCL004064-M, CCL007054-A, CCL007051-A, CCL004057-M, CCL007077-A, CCL007075-A, CCL004068-M, CCL004053-M, CCL007076-A, 020750222FLE , CCL007066-A, CCL007074-A, CCL004061-M, 020750554FLE , CCL004066-M, CCL007053-A, CCL004773-M, RAD-203133 |
| June 19, 2025 | 313,324 | | CCL004795-M, CCL007060-A, CCL007057-A, CCL007059-A, CCL002078-X, 020750427FLE , RAD-203127, RAD-203132, CCL004795-M, 020750458FLE , CCL007105-A, CCL007086-A, CCL004788-M, CCL004785-M, 020750559FLE , CCL007123-A, CCL004791-M, 020750446FLE , CCL007108-A, CCL004792-M, CCL007115-A, CCL007124-A, CCL004779-M, CCL007111-A, 020750556FLE , 020750555FLE , CCL004782-M, 020750560FLE , CCL004783-M, CCL004793-M, CCL004790-M, CCL007107-A, CCL007119-A, CCL007116-A, 020750557FLE , CCL007113-A, 020750346FLE , CCL007117-A, CCL007114-A, CCL007120-A, CCL007118-A, CCL004789-M, CCL004786-M, CCL007112-A, CCL007104-A, CCL004781-M, 020750561FLE , CCL007122-A, 020750558FLE , CCL007121-A, CCL007106-A, CCL007109-A, CCL004780-M, CCL004784-M, CCL007083-A, |
| June 20, 2025 | 352,717 | | 020750562FLE , CCL007147-M, RAD-203131, RAD-203135, RAD-203133, RAD-203130, CCL002079-X, RAD-202003, RAD-203134, 020750132FLE , CCL004485-M, 020750500FLE , CCL004796-M, CCL004478-M, CCL007144-A, CCL004473-M, 020750502FLE , 020750129FLE , 020750562FLE , CCL007142-A, 020750564FLE , CCL007147-A, 020750348FLE , 020750130FLE , CCL004483-M, CCL004472-M, CCL007151-A, CCL007136-A, 020750602FLE , CCL007152-A, 020750565FLE , CCL007129-A, CCL004799-M, CCL007131-A, CCL007143-A, 020750501FLE , CCL004798-M, CCL007138-A, CCL007146-A, CCL007137-A, 020750131FLE , CCL004479-M, CCL007153-A, CCL004797-M, CCL007134-A, CCL004069-M, CCL004481-M, CCL007130-A, CCL007128-A, 020750563FLE , CCL007125-A, CCL007127-A, CCL007140-A, CCL007156-A, CCL004775-M, 020750347FLE , CCL007148-A, CCL007145-A, CCL007154-A, CCL007150-A, CCL004480-M, CCL007141-A, CCL004482-M, CCL007155-A, CCL007132- |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| June 21, 2025 | 165,120 | | CCL004489-M, CCL007133-A, CCL007135-A, CCL004800-M, CCL007139-A, CCL002080-X, CCL002081-X, RAD-203044, RAD-203045, CCL004489-M, CCL007103-A, CCL007094-A, CCL007092-A, CCL004474-M, CCL004476-M, CCL004487-M, 020750349FLE, CCL004486-M, CCL007089-A, CCL004484-M, CCL004492-M, CCL004495-M, CCL007102-A, CCL007098-A, CCL007097-A, CCL007090-A, CCL007100-A, CCL004475-M, CCL007099-A, |
| June 22, 2025 | 77,484 | | CCL007159-A, CCL007101-A, CCL007095-A, CCL004491-M, CCL007093-A, CCL007096-A, CCL007091-A, CCL007088-A, RAD-203176, CCL007159-A, CCL004488-M, CCL007087-A, CCL004770-M, CCL007163-A, CCL004490-M |
| June 23, 2025 | 324,968 | | CCL007157-A, CCL007165-A, CCL007158-A, RAD-203175, CCL004771-M, CCL004759-M, 020750350FLE, 020750351FLE, CCL007167-A, CCL007171-A, CCL004763-M, CCL004769-M, 020750428FLE, CCL007184-A, CCL007172-A, 020750566FLE, CCL007178-A, CCL007187-A, CCL007177-A, CCL007183-A, CCL004494-M, CCL007179-A, CCL007189-A, CCL004760-M, CCL007198-A, CCL007176-A, CCL007175-A, CCL007166-A, CCL007168-A, CCL004765-M, 020750503FLE, CCL007185-A, CCL007188-A, CCL004767-M, CCL007182-A, 020750460FLE, CCL004764-M, CCL007173-A, CCL007193-A, CCL007169-A, CCL007181-A, CCL007174-A, CCL007170-A, CCL007186-A, CCL007190-A, CCL007194-A, CCL004761-M, CCL007191-A, CCL004766-M, CCL007192-A, CCL007199-A, CCL007180-A, CCL007197-A, |
| June 24, 2025 | 338,110 | | RAD-203172, RAD-203174, RAD-203050, RAD-203051, CCL007292-A, CCL007293-A, RAD-203049, CCL007294-A, CCL007295-A, CCL007296-A, CCL007297-A, CCL007298-A, CCL007299-A, RAD-203048, RAD-203171, CCL007301-A, CCL007302-A, CCL007304-A, CCL007303-A, CCL007305-A, RAD-203181, CCL004758-M, RAD-203180, CCL007306-A, CCL004756-M, CCL007307-A, CCL007308-A, RAD-203177, RAD-203179, CCL004755-M, CCL004754-M, CCL007310-A, CCL007309-A, CCL004753-M, CCL007269-A, CCL004840-M, CCL004841-M, CCL007270-A, CCL007271-A, CCL007272-A, CCL004842-M, CCL004843-M, CCL007274-A, CCL004844-M, CCL004845-M, CCL007275-A, CCL004846-M, CCL007276-A, CCL004847-M, CCL007277-A, CCL007279-A, CCL007280-A, CCL007281-A, RAD-203178, CCL007282-A, RAD-203047, CCL007300-A |
| June 25, 2025 | 367,983 | | 020750569FLE, 020750352FLE, 020750134FLE, 020750504FLE, 020750429FLE, CCL007284-A, CCL004848-M, CCL007285-A, CCL004849-M, CCL007286-A, CCL004850-M, CCL007288-A, CCL007287-A, RAD-203154, CCL007289-A, CCL007290-A, CCL002075-X, CCL007291-A, CCL007200-A, RAD-203169, CCL007203-A, RAD-203168, CCL007204-A, CCL007205-A, RAD-203167, RAD-203166, CCL007206-A, RAD-203165, CCL007207-A, CCL007202-A, CCL007208-A, CCL004851-M, CCL007201-A, CCL004852-M, CCL002083-X, CCL004853-M, CCL007283-A, CCL004854-M, CCL007209-A, CCL004856-M, CCL007268-A, CCL004855-M, CCL004857-M, CCL007267-A, CCL007266-A, CCL007265-A, CCL007264-A, CCL007263-A, RAD-203163, CCL004858-M, CCL007262-A, CCL004859-M, CCL004860-M, CCL004861-M, CCL004862-M, CCL007261-A, RAD-203160, CCL007260-A, CCL007259-A, CCL007258-A, CCL007255-A, CCL007256-A |
| June 26, 2025 | 342,608 | | 020750353FLE , 020750430FLE , 020750572FLE , 020750573FLE , RAD-203164, CCL007248-A, CCL007249-A, CCL004863-M, CCL007254-A, CCL007253-A, CCL007251-A, CCL004864-M, CCL007250-A, CCL007252-A, RAD-203159, RAD-203158, CCL007247-A, RAD-203157, CCL007246-A, RAD-203156, RAD-203155, CCL002118-X, CCL007311-A, CCL007313-A, CCL007314-A, CCL007315-A, CCL007316-A, CCL007317-A, CCL007318-A, CCL004865-M, CCL002127-X, CCL004866-M, CCL007321-A, CCL004867-M, CCL004869-M, CCL004868-M, CCL004870-M, CCL007322-A, CCL004871-M, RAD-203046, CCL007323-A, CCL007324-A, CCL007325-A, RAD-203143, CCL007326-A, CCL007327-A, CCL007350-A, CCL007312-A, CCL004872-M, CCL007328-A, CCL004873-M, CCL007329-A, CCL007330-A, CCL007331-A, CCL007332-A, CCL007333-A, CCL004875-M, CCL004876-M |

## *Chiquita Canyon Landfill*
## *Site Generated Leachate and Condensate Disposal*
## *2025*

| Service Date | Quantity (gallons) & | | |
|---|---|---|---|
| | Leachate | Condensate | Disposal Manifest Number |
| June 27, 2025 | 311,311 | | [illegible] 020750574FLE , 020750575FLE , 020750576FLE , 020750577FLE , CCL004878-M, CCL007338-A, CCL004879-M, CCL007339-A, RAD-203183, CCL004880-M, CCL007340-A, RAD-203206, CCL007341-A, CCL007342-A, CCL004881-M, CCL007343-A, CCL007344-A, RAD-203204, CCL007345-A, RAD-203203, CCL004882-M, CCL002117-X, RAD-203202, RAD-203207, RAD-203201, CCL007346-A, RAD-203200, CCL004883-M, CCL004884-M, CCL004885-M, CCL004886-M, CCL002141-X, CCL004887-M, CCL004888-M, CCL007347-A, CCL004889-M, CCL007349-A, CCL007351-A, CCL004890-M, CCL007352-A, CCL007353-A, CCL004892-M, CCL004893-M, RAD-203199, CCL007354-A, CCL004895-M, CCL007355-A, CCL007356-A, CCL007357-A, CCL004896-M, CCL004897-M, RAD-203205, CCL004874-M, CCL004891-M, CCL007359-A |
| June 28, 2025 | 76,861 | | CCL004899-M, 020750136FLE , 020750137FLE , 020750138FLE , 020750505FLE , 020750507FLE , 020750508FLE , 020750431FLE , 020750462FLE , CCL004899-M, CCL004898-M, CCL007360-A, CCL007364-A, CCL004900-M |
| June 29, 2025 | 81,979 | | CCL007361-A, CCL007358-A, CCL004901-M, CCL004904-M, CCL004902-M, CCL004903-M, RAD-203197, CCL004905-M, CCL004906-M, CCL007361-A, CCL007362-A, CCL007363-A, CCL007365-A, CCL007367-A, CCL007368-A, CCL007245-A, RAD-203196 |
| June 30, 2025 | 311,633 | | [illegible] CCL007211-A, CCL004839-M, CCL007348-A, CCL007217-A, CCL007214-A, CCL007215-A, RAD-203192, CCL007216-A, CCL007218-A, CCL007219-A, RAD-203193, CCL007220-A, CCL007366-A, CCL007221-A, CCL007222-A, RAD-203194, CCL007223-A, CCL007231-A, CCL007224-A, CCL007225-A, CCL004801-M, CCL007403-A, CCL007226-A, CCL004802-M, CCL004803-M, CCL004804-M, RAD-203191, CCL004805-M, CCL004806-M, CCL004807-M, CCL004808-M, CCL007228-A, CCL007229-A, RAD-203190, CCL007230-A, RAD-203188, RAD-203189, CCL007232-A, CCL007233-A, CCL007234-A, CCL007227-A, CCL007235-A, CCL007237-A, CCL004812-M, CCL007238-A, CCL007239-A, RAD-203187, CCL004811-M, CCL004810-M, CCL007373-A, CCL007374-A, CCL007375-A, CCL004813-M |
| | | | |
| | | | |
| **June 2025 Total** | **7,658,861** | **-** | |

# APPENDIX J

# WASTE ACCEPTANCE REPORT

# APPENDIX J

# WASTE ACCEPTANCE REPORT

# FIRST SEMIANNUAL 2025

The California Regional Water Quality Control Board, Los Angeles Region (RWQCB) adopted Order No. R4-2011-0052 (Order) in March 2011 which amended the waste discharge requirements (WDRs) for the Chiquita Canyon Landfill (CCL). The Order serves as the WDRs for the "disposal of non-designated/non-hazardous contaminated soils and the onsite use of non-hazardous contaminated soils or related wastes" at municipal solid waste (MSW) landfills. The Order defines "contaminated soils" as soils that are impacted by pollutants listed in the WDRs, but in low enough concentrations that the soil is not a designated or hazardous waste.

In compliance with the Order, CCL submitted an updated Waste Acceptance Plan (WAP) (revised April 29, 2011) to the RWQCB Executive Officer for approval. The WAP describes the procedures that have been implemented at CCL for obtaining and approving soil profiling information, testing procedures for waste constituents accepted, site-specific threshold levels for all appropriate wastes accepted (for disposal or reuse), and a description of the personnel responsible for implementing the plan. CCL's Special Waste reporting requirements are described in Section 3.0 of the WAP.

This document provides the Special Waste acceptance and disposal information for the fourth quarter of 2024 and the first quarter of 2025 (October 2024 – March 2025) as described in the WAP, and as required by Section F (Reporting Requirements) of the Order. Data collected during the second and third quarters of 2025 (April 2025 – September 2025) will be included in the second semiannual report for 2025 (due January 31, 2026).

Each of the specific reporting requirements, as specified in Section F of the Order, is addressed in the following paragraphs:

## 1. The report shall include a summary of the types, volumes and disposal or onsite use for all wastes accepted pursuant to the requirements of the Order.

During the reporting period (October 1, 2024 through March 31, 2025), approximately 96,451 tons of Special Waste were accepted for disposal and/or use at CCL. Table 1 summarizes the types and volumes of wastes accepted and identifies the final disposition of the wastes (disposal or beneficial use). All 96,451 tons of Special Waste were used or disposed of within the active portion of the lined landfill. No Special Waste was used outside the lined landfill boundary.

**2. The report shall include a compilation of all waste profiling information utilized by CCL to implement the program requirements including all sampling, measurement and analytical results including:**

- **Date, exact place and time of the sampling or measurement;**
- **Individual(s) who did the sampling or measurement;**
- **Date(s) the analyses were done;**
- **Analyses names;**
- **Analytical techniques or methods used to profile contaminated soils or wastes.**

As described in Section 1.4 of the WAP, Special Wastes are defined as wastes that require analysis and testing (profiling) prior to acceptance due to their component make-up. CCL maintains a working knowledge of waste received using two approaches: 1) prequalification of specific wastes prior to transport to the facility, and 2) evaluation of waste loads received at the facility. The prequalification process includes the following components:

1) Each generator of a Special Waste is required to complete and certify a Special Waste Profile form, or a similar form, prior to the initial shipment of their wastes to CCL. The profile form includes generator, customer and transporter information, as well as a waste stream description (common name of material or waste stream, description of the process generating the waste, and waste characteristics), and generator certification.

2) The CCL Special Waste Coordinator (SWC) will evaluate the profile form along with other required documentation to determine whether the waste stream is acceptable. Additional documentation includes certified analytical reports (CARs) and chain of custody documentation (COCs) from a California Department of Health Services (DHS) Accredited Environmental Laboratory, special waste (non-hazardous) manifests, Material Safety Data Sheet(s), and a description of the process(es) generating the waste.

3) The SWC will determine whether correct and sufficient information has been provided by the generator and whether the waste stream is within CCL's acceptance criteria. The SWC will communicate with the generator regarding specific concerns, or missing or incomplete information.

4) If the waste stream is deemed acceptable for use and/or disposal at CCL, the SWC identifies the approved "disposal method," defines any special handling instructions for the waste, and assigns a unique Special Waste Profile Approval Number to the waste stream. The approval number, which is unique to the generator and the waste stream, allows CCL to electronically track the incoming wastes and the associated documentation for each waste stream. Each approval number (and profile form) is dated and given an expiration date, depending on the type of waste and the generating process(es).

Table 2 summarizes the special wastes that were approved at CCL during the current reporting period, presented numerically by CCL approval number. The table also provides the generator's name, the waste stream description, and notes regarding CARs and COCs. Copies of the relevant CARs and COCs are provided in Attachment A. The CARs and the COCs provide the required information regarding the individuals collecting representative samples, the type and number of samples collected, the analyses conducted, and the results of those analyses.

**TABLE 1**
**SPECIAL WASTE DISPOSAL SUMMARY**
Chiquita Canyon Landfill

| Month | Profile Number | Tons | Use |
|---|---|---|---|
| Oct-24 | CQ-23-659 | 32 | Disposal |
| Oct-24 | CQ-23-725 | 34 | Disposal |
| Oct-24 | CQ-22-162 | 12 | Disposal |
| Oct-24 | CQ-24-40 | 21 | Disposal |
| Oct-24 | CQ-22-307 | 10 | Disposal |
| Oct-24 | CQ-22-419 | 10 | Disposal |
| Oct-24 | CQ-22-436 | 1102 | Beneficial |
| Oct-24 | CQ-22-605 | 632 | Beneficial |
| Oct-24 | CQ-22-834 | 4 | Beneficial |
| Oct-24 | CQ-23-79 | 85 | Beneficial |
| Oct-24 | CQ-23-126 | 29 | Beneficial |
| Oct-24 | CQ-23-364 | 115 | Beneficial |
| Oct-24 | CQ-23-365 | 22 | Beneficial |
| Oct-24 | CQ-23-628 | 21 | Beneficial |
| Oct-24 | CQ-23-636 | 8 | Disposal |
| Oct-24 | CQ-24-143 | 493 | Beneficial |
| Oct-24 | CQ-23-652 | 326 | Beneficial |
| Oct-24 | CQ-23-657 | 260 | Beneficial |
| Oct-24 | CQ-24-105 | 2680 | Beneficial |
| Oct-24 | CQ-24-115 | 7 | Disposal |
| Oct-24 | CQ-24-119 | 3 | Disposal |
| Oct-24 | CQ-24-123 | 51 | Disposal |
| Oct-24 | CQ-24-125 | 125 | Disposal |
| Oct-24 | CQ-24-128 | 38 | Beneficial |
| Oct-24 | CQ-24-187 | 36 | Beneficial |
| Oct-24 | CQ-24-212 | 9 | Beneficial |
| Oct-24 | CQ-24-256 | 85 | Beneficial |
| Oct-24 | CQ-24-268 | 102 | Beneficial |
| Oct-24 | CQ-24-306 | 294 | Disposal |
| Oct-24 | CQ-24-345 | 18 | Beneficial |
| Oct-24 | CQ-24-369 | 16 | Beneficial |
| Oct-24 | CQ-24-371 | 5 | Beneficial |
| Oct-24 | CQ-24-373 | 13 | Beneficial |
| Oct-24 | CQ-24-379 | 14 | Beneficial |
| Oct-24 | CQ-24-394 | 15 | Disposal |
| Oct-24 | CQ-24-400 | 10 | Beneficial |
| Oct-24 | CQ-24-404 | 31 | Beneficial |
| Oct-24 | CQ-24-406 | 18 | Beneficial |
| Oct-24 | CQ-24-413 | 58 | Beneficial |
| Oct-24 | CQ-24-414 | 14 | Beneficial |
| Oct-24 | CQ-24-422 | 2771 | Beneficial |
| Oct-24 | CQ-24-426 | 20 | Beneficial |
| Oct-24 | CQ-24-431 | 22 | Disposal |
| Oct-24 | CQ-24-432 | 19 | Disposal |

**TABLE 1**
**SPECIAL WASTE DISPOSAL SUMMARY**
Chiquita Canyon Landfill

| Month | Profile Number | Tons | Use |
|---|---|---|---|
| Oct-24 | CQ-24-433 | 7 | Disposal |
| Oct-24 | CQ-24-434 | 11 | Disposal |
| Oct-24 | CQ-24-4396 | 33 | Disposal |
| Oct-24 | CQ-24-442 | 1000 | Beneficial |
| Oct-24 | CQ-24-447 | 8 | Beneficial |
| Oct-24 | CQ-24-448 | 17 | Beneficial |
| Oct-24 | CQ-24-450 | 11 | Disposal |
| Oct-24 | CQ-24-457 | 13 | Beneficial |
| Oct-24 | CQ-24-459 | 13 | Disposal |
| Oct-24 | CQ-24-460 | 20866 | Beneficial |
| Oct-24 | CQ-24-463 | 68 | Beneficial |
| Oct-24 | CQ-24-464 | 45 | Beneficial |
| Oct-24 | CQ-24-466 | 11 | Beneficial |
| Oct-24 | CQ-24-467 | 48 | Beneficial |
| Oct-24 | CQ-24-468 | 12 | Beneficial |
| Oct-24 | CQ-24-469 | 44 | Beneficial |
| Oct-24 | CQ-24-470 | 45 | Beneficial |
| Oct-24 | CQ-24-471 | 53 | Beneficial |
| Oct-24 | CQ-24-472 | 42 | Beneficial |
| Oct-24 | CQ-24-473 | 4 | Beneficial |
| Oct-24 | CQ-24-474 | 28 | Beneficial |
| Oct-24 | CQ-24-475 | 28 | Beneficial |
| Oct-24 | CQ-24-476 | 26 | Beneficial |
| Oct-24 | CQ-24-477 | 32 | Beneficial |
| Oct-24 | CQ-24-478 | 7 | Beneficial |
| Oct-24 | CQ-24-479 | 35 | Beneficial |
| Oct-24 | CQ-24-480 | 24 | Beneficial |
| Oct-24 | CQ-24-482 | 24 | Beneficial |
| Oct-24 | CQ-24-483 | 46 | Beneficial |
| Oct-24 | CQ-24-484 | 22 | Beneficial |
| Oct-24 | CQ-24-485 | 49 | Beneficial |
| Oct-24 | CQ-24-486 | 3 | Beneficial |
| Oct-24 | CQ-24-488 | 72 | Disposal |
| Oct-24 | CQ-24-489 | 9 | Beneficial |
| Oct-24 | CQ-24-491 | 379 | Beneficial |
| Oct-24 | CQ-24-492 | 17 | Beneficial |
| Oct-24 | CQ-24-493 | 44 | Beneficial |
| Oct-24 | CQ-24-494 | 5 | Beneficial |
| Oct-24 | CQ-24-495 | 37 | Beneficial |
| Oct-24 | CQ-24-496 | 413 | Beneficial |
| Oct-24 | CQ-24-497 | 472 | Beneficial |
| Oct-24 | CQ-24-498 | 822 | Beneficial |
| Oct-24 | CQ-24-505 | 18 | Beneficial |
| Oct-24 | CQ-23-507 | 40 | Beneficial |

**TABLE 1**
**SPECIAL WASTE DISPOSAL SUMMARY**
Chiquita Canyon Landfill

| Month | Profile Number | Tons | Use |
|---|---|---|---|
| Oct-24 | CQ-24-507 | 42 | Beneficial |
| Oct-24 | CQ-24-510 | 32 | Beneficial |
| Oct-24 | CQ-24-513 | 11 | Beneficial |
| Oct-24 | CQ-24-514 | 24 | Beneficial |
| Oct-24 | CQ-24-515 | 48 | Beneficial |
| Oct-24 | CQ-24-516 | 59 | Beneficial |
| Oct-24 | CQ-24-517 | 65 | Beneficial |
| Oct-24 | CQ-24-520 | 104 | Beneficial |
| Oct-24 | CQ-24-522 | 460 | Beneficial |
| Oct-24 | CQ-24-524 | 59.92 | Beneficial |
| Oct-24 | CQ-24-526 | 1152 | Beneficial |
| Oct-24 | CQ-24-527 | 53 | Beneficial |
| Oct-24 | CQ-24-528 | 106 | Beneficial |
| Oct-24 | CQ-24-529 | 18 | Beneficial |
| Oct-24 | CQ-24-531 | 20 | Beneficial |
| Oct-24 | CQ-24-532 | 31 | Beneficial |
| Oct-24 | CQ-24-533 | 10 | Beneficial |
| Oct-24 | CQ-24-534 | 51 | Beneficial |
| Oct-24 | CQ-24-535 | 1205 | Beneficial |
| Oct-24 | CQ-24-541 | 235 | Beneficial |
| Oct-24 | CQ-24-544 | 13 | Beneficial |
| Oct-24 | CQ-24-546 | 61 | Beneficial |
| Oct-24 | CQ-24-547 | 137 | Beneficial |
| Nov-24 | CQ-24-393 | 7 | Disposal |
| Nov-24 | CQ-23-659 | 38 | Beneficial |
| Nov-24 | CQ-23-725 | 10 | Disposal |
| Nov-24 | CQ-22-162 | 7 | Disposal |
| Nov-24 | CQ-24-40 | 24 | Disposal |
| Nov-24 | CQ-22-418 | 29 | Disposal |
| Nov-24 | CQ-22-436 | 269 | Beneficial |
| Nov-24 | CQ-22-520 | 15 | Beneficial |
| Nov-24 | CQ-22-522 | 1 | Beneficial |
| Nov-24 | CQ-22-756 | 187 | Beneficial |
| Nov-24 | CQ-22-834 | 1 | Beneficial |
| Nov-24 | CQ-23-79 | 19 | Beneficial |
| Nov-24 | CQ-23-221 | 96 | Beneficial |
| Nov-24 | CQ-23-237 | 52 | Beneficial |
| Nov-24 | CQ-23-304 | 6 | Beneficial |
| Nov-24 | CQ-23-339 | 3 | Beneficial |
| Nov-24 | CQ-23-652 | 617 | Beneficial |
| Nov-24 | CQ-23-674 | 1 | Disposal |
| Nov-24 | CQ-23-693 | 96 | Beneficial |
| Nov-24 | CQ-23-715 | 316 | Beneficial |
| Nov-24 | CQ-24-1 | 8 | Beneficial |

**TABLE 1**
**SPECIAL WASTE DISPOSAL SUMMARY**
Chiquita Canyon Landfill

| Month | Profile Number | Tons | Use |
|---|---|---|---|
| Nov-24 | CQ-24-105 | 2823 | Beneficial |
| Nov-24 | CQ-23-496 | 3 | Disposal |
| Nov-24 | CQ-24-115 | 2 | Disposal |
| Nov-24 | CQ-24-125 | 162 | Disposal |
| Nov-24 | CQ-24-144 | 6 | Beneficial |
| Nov-24 | CQ-24-178 | 3 | Beneficial |
| Nov-24 | CQ-24-239 | 30 | Beneficial |
| Nov-24 | CQ-24-268 | 75 | Beneficial |
| Nov-24 | CQ-24-306 | 710 | Disposal |
| Nov-24 | CQ-24-328 | 16 | Disposal |
| Nov-24 | CQ-24-345 | 14 | Beneficial |
| Nov-24 | CQ-24-355 | 74 | Beneficial |
| Nov-24 | CQ-24-367 | 74 | Beneficial |
| Nov-24 | CQ-24-382 | 5 | Disposal |
| Nov-24 | CQ-24-394 | 7 | Disposal |
| Nov-24 | CQ-24-414 | 78 | Beneficial |
| Nov-24 | CQ-24-415 | 30 | Beneficial |
| Nov-24 | CQ-24-422 | 183 | Beneficial |
| Nov-24 | CQ-24-423 | 420 | Beneficial |
| Nov-24 | CQ-24-431 | 35 | Disposal |
| Nov-24 | CQ-24-432 | 30 | Disposal |
| Nov-24 | CQ-24-433 | 17 | Disposal |
| Nov-24 | CQ-24-434 | 9 | Disposal |
| Nov-24 | CQ-24-4396 | 15 | Disposal |
| Nov-24 | CQ-24-450 | 6 | Disposal |
| Nov-24 | CQ-24-458 | 19 | Disposal |
| Nov-24 | CQ-24-460 | 10567 | Beneficial |
| Nov-24 | CQ-24-483 | 15 | Beneficial |
| Nov-24 | CQ-24-485 | 32 | Beneficial |
| Nov-24 | CQ-24-498 | 316 | Beneficial |
| Nov-24 | CQ-24-505 | 821 | Beneficial |
| Nov-24 | CQ-24-508 | 36 | Beneficial |
| Nov-24 | CQ-24-524 | 81 | Beneficial |
| Nov-24 | CQ-24-527 | 34 | Beneficial |
| Nov-24 | CQ-24-535 | 1824 | Beneficial |
| Nov-24 | CQ-24-536 | 107 | Beneficial |
| Nov-24 | CQ-24-537 | 26 | Beneficial |
| Nov-24 | CQ-24-538 | 32 | Beneficial |
| Nov-24 | CQ-24-539 | 177 | Beneficial |
| Nov-24 | CQ-24-540 | 10 | Beneficial |
| Nov-24 | CQ-24-542 | 39 | Beneficial |
| Nov-24 | CQ-24-544 | 15.5 | Beneficial |
| Nov-24 | CQ-24-545 | 157 | Disposal |
| Nov-24 | CQ-24-546 | 24 | Beneficial |

**TABLE 1**
**SPECIAL WASTE DISPOSAL SUMMARY**
Chiquita Canyon Landfill

| Month | Profile Number | Tons | Use |
|---|---|---|---|
| Nov-24 | CQ-24-547 | 182 | Beneficial |
| Nov-24 | CQ-24-548 | 101 | Beneficial |
| Nov-24 | CQ-24-551 | 5 | Beneficial |
| Nov-24 | CQ-24-552 | 56 | Beneficial |
| Nov-24 | CQ-24-553 | 30 | Beneficial |
| Nov-24 | CQ-24-555 | 3 | Beneficial |
| Nov-24 | CQ-24-557 | 36 | Beneficial |
| Nov-24 | CQ-24-558 | 43 | Beneficial |
| Nov-24 | CQ-24-559 | 98 | Beneficial |
| Nov-24 | CQ-24-560 | 45 | Beneficial |
| Nov-24 | CQ-24-562 | 29 | Beneficial |
| Nov-24 | CQ-24-565 | 2 | Beneficial |
| Nov-24 | CQ-24-567 | 44 | Beneficial |
| Nov-24 | CQ-24-561 | 276 | Beneficial |
| Nov-24 | CQ-24-568 | 69 | Beneficial |
| Nov-24 | CQ-24-569 | 16 | Disposal |
| Nov-24 | CQ-24-570 | 17 | Beneficial |
| Nov-24 | CQ-24-571 | 116 | Beneficial |
| Nov-24 | CQ-24-573 | 41 | Beneficial |
| Nov-24 | CQ-24-575 | 133 | Beneficial |
| Nov-24 | CQ-24-578 | 37 | Beneficial |
| Nov-24 | CQ-24-580 | 12 | Beneficial |
| Nov-24 | CQ-24-582 | 3 | Beneficial |
| Nov-24 | CQ-24-583 | 4 | Beneficial |
| Nov-24 | CQ-24-584 | 56 | Beneficial |
| Nov-24 | CQ-24-585 | 2 | Beneficial |
| Nov-24 | CQ-24-586 | 28 | Beneficial |
| Nov-24 | CQ-24-587 | 32 | Disposal |
| Nov-24 | CQ-24-588 | 632 | Beneficial |
| Nov-24 | CQ-24-589 | 1400 | Beneficial |
| Nov-24 | CQ-24-590 | 29 | Beneficial |
| Nov-24 | CQ-24-592 | 16 | Beneficial |
| Dec-24 | CQ-23-659 | 23 | Disposal |
| Dec-24 | CQ-23-725 | 12 | Disposal |
| Dec-24 | CQ-24-40 | 70 | Disposal |
| Dec-24 | CQ-22-419 | 38 | Disposal |
| Dec-24 | CQ-22-543 | 51 | Disposal |
| Dec-24 | CQ-22-706 | 24 | Beneficial |
| Dec-24 | CQ-23-52 | 87 | Beneficial |
| Dec-24 | CQ-23-237 | 3 | Beneficial |
| Dec-24 | CQ-23-360 | 68 | Beneficial |
| Dec-24 | CQ-23-674 | 73 | Disposal |
| Dec-24 | CQ-24-105 | 2359 | Beneficial |
| Dec-24 | CQ-23-496 | 4 | Disposal |

**TABLE 1**
**SPECIAL WASTE DISPOSAL SUMMARY**
Chiquita Canyon Landfill

| Month | Profile Number | Tons | Use |
|---|---|---|---|
| Dec-24 | CQ-24-115 | 0 | Disposal |
| Dec-24 | CQ-24-125 | 383 | Disposal |
| Dec-24 | CQ-24-156 | 5 | Disposal |
| Dec-24 | CQ-24-234 | 887 | Beneficial |
| Dec-24 | CQ-24-306 | 891 | Disposal |
| Dec-24 | CQ-24-410 | 29 | Beneficial |
| Dec-24 | CQ-24-422 | 1049 | Beneficial |
| Dec-24 | CQ-24-431 | 10 | Disposal |
| Dec-24 | CQ-24-432 | 21 | Disposal |
| Dec-24 | CQ-24-433 | 5 | Disposal |
| Dec-24 | CQ-24-434 | 12 | Disposal |
| Dec-24 | CQ-24-444 | 10 | Beneficial |
| Dec-24 | CQ-24-450 | 13 | Disposal |
| Dec-24 | CQ-24-458 | 11 | Disposal |
| Dec-24 | CQ-24-459 | 27 | Disposal |
| Dec-24 | CQ-24-460 | 5762 | Beneficial |
| Dec-24 | CQ-24-465 | 9.2 | Disposal |
| Dec-24 | CQ-24-498 | 64 | Beneficial |
| Dec-24 | CQ-24-500 | 8 | Disposal |
| Dec-24 | CQ-24-501 | 4 | Disposal |
| Dec-24 | CQ-24-505 | 174 | Beneficial |
| Dec-24 | CQ-24-518 | 5 | Beneficial |
| Dec-24 | CQ-24-522 | 26 | Beneficial |
| Dec-24 | CQ-24-523 | 600 | Beneficial |
| Dec-24 | CQ-24-525 | 4147 | Beneficial |
| Dec-24 | CQ-24-544 | 52 | Beneficial |
| Dec-24 | CQ-24-556 | 58 | Beneficial |
| Dec-24 | CQ-24-562 | 153 | Beneficial |
| Dec-24 | CQ-24-563 | 74 | Beneficial |
| Dec-24 | CQ-24-564 | 410 | Beneficial |
| Dec-24 | CQ-24-566 | 18 | Beneficial |
| Dec-24 | CQ-24-572 | 30 | Beneficial |
| Dec-24 | CQ-24-577 | 101 | Beneficial |
| Dec-24 | CQ-24-579 | 133 | Beneficial |
| Dec-24 | CQ-24-587 | 19 | Disposal |
| Dec-24 | CQ-24-589 | 5320 | Beneficial |
| Dec-24 | CQ-24-591 | 40 | Beneficial |
| Dec-24 | CQ-24-593 | 3 | Beneficial |
| Dec-24 | CQ-24-594 | 8 | Beneficial |
| Dec-24 | CQ-24-595 | 417 | Beneficial |
| Dec-24 | CQ-24-599 | 62 | Beneficial |
| Dec-24 | CQ-24-602 | 20 | Beneficial |
| Dec-24 | CQ-24-604 | 99 | Beneficial |

**TABLE 1**
**SPECIAL WASTE DISPOSAL SUMMARY**
Chiquita Canyon Landfill

| Month | Profile Number | Tons | Use |
|---|---|---|---|
| Dec-24 | CQ-24-608 | 0 | Beneficial |
| Dec-24 | CQ-24-610 | 102 | Beneficial |
| Dec-24 | CQ-24-611 | 18 | Beneficial |
| Dec-24 | CQ-24-612 | 56 | Beneficial |
| Dec-24 | CQ-24-613 | 94 | Beneficial |
| Dec-24 | CQ-24-614 | 33 | Beneficial |
| Dec-24 | CQ-24-615 | 44 | Beneficial |
| Dec-24 | CQ-24-616 | 13 | Beneficial |
| Dec-24 | CQ-24-619 | 40 | Beneficial |
| Dec-24 | CQ-24-620 | 122 | Beneficial |
| Dec-24 | CQ-24-618 | 2 | Beneficial |
| Dec-24 | CQ-24-622 | 95 | Beneficial |
| Dec-24 | CQ-24-623 | 26 | Beneficial |
| Dec-24 | CQ-24-624 | 3 | Disposal |
| Dec-24 | CQ-24-626 | 43 | Beneficial |
| Dec-24 | CQ-24-627 | 68 | Disposal |
| Dec-24 | CQ-24-627D | 271 | Disposal |
| Dec-24 | CQ-24-628 | 11 | Beneficial |
| Dec-24 | CQ-24-629 | 39 | Beneficial |
| Dec-24 | CQ-24-630 | 5747 | Beneficial |
| Dec-24 | CQ-24-631 | 5 | Disposal |
| Dec-24 | CQ-24-632 | 1240 | Beneficial |
| Dec-24 | CQ-24-633 | 15 | Beneficial |
| Dec-24 | CQ-24-634 | 13 | Beneficial |
| Dec-24 | CQ-24-635 | 531 | Beneficial |
| Dec-24 | CQ-24-636 | 7 | Disposal |
| Dec-24 | CQ-24-637 | 35 | Disposal |
| Jan-25 | CQ-24-125 | 77 | Disposal |
| Feb-25 | CQ-24-125 | 303 | Disposal |
| Mar-25 | CQ-24-125 | 174 | Disposal |

**TABLE 2**
**SPECICAL WASTE PROFILE INFORMATION**
Chiquita Canyon Landfill

| Profile No. | Generator | Waste Desription | Sampler | Lab Report Attached |
|---|---|---|---|---|
| CQ-24-477 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-478 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-479 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-480 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-481 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-482 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-483 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-484 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-485 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-486 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-487 | DTSC - Exide Residential Cleanup | Non-hazardous soil | National Engineering & Consulting Group | Yes |
| CQ-24-488 | Caltrans | Asphalt grindings with paint chips | Timmerman Engineering Construction | Yes |
| CQ-24-489 | Continental Development Corporation | Non-hazardous soil | Bowyer Environmental Consulting, Inc | Yes |
| CQ-24-490 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-491 | IDIL Eckhoff Orange, LP | Non-hazardous soil | Hazard Management Consulting, Inc. | Yes |
| CQ-24-492 | DTSC - Exide Residential Cleanup | Non-hazardous soil | National Engineering & Consulting Group | Yes |
| CQ-24-493 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-494 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-495 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-496 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-497 | SANTA MONICA BOULEVARD OWNER, LLC | Non-hazardous soil | Citadel | Yes |
| CQ-24-498 | 7-Eleven #43060 | Non-hazardous soil | Stantec | Yes |
| CQ-24-499 | Los Angeles Dept. of Water and Power | Treated wood | n/a | Not required |
| CQ-24-500 | Los Angeles Dept. of Water and Power | Treated wood | n/a | Not required |
| CQ-24-501 | Los Angeles Dept. of Water and Power | Treated wood | n/a | Not required |
| CQ-24-502 | Los Angeles Dept. of Water and Power | Treated wood | n/a | Not required |
| CQ-24-503 | Los Angeles Dept. of Water and Power | Treated wood | n/a | Not required |
| CQ-24-504 | Los Angeles Dept. of Water and Power | Treated wood | n/a | Not required |
| CQ-24-505 | Tim Greenleaf Engineering | Non-hazardous soil | Frey Environmental, Inc. | Yes |
| CQ-24-506 | Los Angeles Dept. of Water and Power | Treated wood | n/a | Not required |
| CQ-24-507 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-508 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-509 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-510 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-511 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-512 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-513 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-514 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-515 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-516 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-517 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-518 | Griffith Company | Non-hazardous soil | Griffith Company | Yes |
| CQ-24-519 | Caltrans | Treated wood | n/a | Not required |
| CQ-24-520 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-521 | Union Pacific Railroad | Non-hazardous soil | Golder Associates Inc. | Yes |

**TABLE 2**
**SPECICAL WASTE PROFILE INFORMATION**
Chiquita Canyon Landfill

| Profile No. | Generator | Waste Desription | Sampler | Lab Report Attached |
|---|---|---|---|---|
| CQ-24-522 | Hall Stewart & Gray Road LLC | Non-hazardous soil | SCS Engineers | Yes |
| CQ-24-523 | AMFP V ANAHEIM LLC | Non-hazardous soil | Vertex Engineering | Yes |
| CQ-24-524 | SpaceX | Non-hazardous soil | Belshire Environmental | Yes |
| CQ-24-525 | Gardena Owner, L.P. | Non-hazardous soil | Roux Associates, Inc. | Yes |
| CQ-24-526 | Redu Holdings, LLC | Non-hazardous soil | West Energy Operating | Yes |
| CQ-24-527 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-528 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-529 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-530 | Sentinel Peak Resources California LLC-AG | Non-hazardous trash | American Integrated Services | Yes |
| CQ-24-531 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-532 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-533 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-534 | SpaceX | Non-hazardous soil | Belshire Environmental | Yes |
| CQ-24-535 | 206 W. 196th St V1, LLC | Non-hazardous soil | Vertex Engineering | Yes |
| CQ-24-536 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-537 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-538 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-539 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-540 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-541 | MJC Investment Property XV, LLC | Non-hazardous soil | SALEM Engineering Group | Yes |
| CQ-24-542 | LAUSD | Non-hazardous soil | Eco & Associates, Inc | Yes |
| CQ-24-543 | United Rentals | Non-hazardous soil | Patriot Environmental Services | Yes |
| CQ-24-544 | SpaceX | Non-hazardous soil | Belshire Environmental | Yes |
| CQ-24-545 | Naval Base Ventura County | Non-hazardous sand | Downstream Services, Inc. | Yes |
| CQ-24-546 | Ramcast Ornamental | Non-hazardous soil | GSI Environmental Inc | Yes |
| CQ-24-547 | City of West Hollywood | Non-hazardous soil | Miranda Logistics Enterprise, Inc. | Yes |
| CQ-24-548 | STEM Preparatory | Non-hazardous soil | NV5 - Long Beach | Yes |
| CQ-24-549 | Kindness General Contractors | Non-hazardous soil | Relativity Space | Yes |
| CQ-24-550 | Evelyn Marie Curci Revocable Trust | Non-hazardous soil | Alpha Environmental | Yes |
| CQ-24-551 | Union Pacific Railroad | Non-hazardous soil | UPRR | Yes |
| CQ-24-552 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-553 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-554 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-555 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-556 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-557 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-558 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-559 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-560 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-561 | Limoneira Lewis Community Builders, LLC | Non-hazardous soil | Leighton Consulting, Inc. | Yes |
| CQ-24-562 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-563 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-564 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-565 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-566 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |

**TABLE 2**
**SPECICAL WASTE PROFILE INFORMATION**
Chiquita Canyon Landfill

| Profile No. | Generator | Waste Desription | Sampler | Lab Report Attached |
|---|---|---|---|---|
| CQ-24-567 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-568 | Honda World | Non-hazardous soil | LANGAN | Yes |
| CQ-24-569 | Sterndahl Enterprises | Asphalt grindings | Sterndahl Enterprises Inc. | Yes |
| CQ-24-570 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-571 | Relativity | Non-hazardous soil | Relativity Space | Yes |
| CQ-24-572 | Clear Sky 425 Garden Street, LP. | Non-hazardous soil | Campbell Geo | Yes |
| CQ-24-573 | Circle K Stores, Inc | Non-hazardous soil | Blaes Environmental Inc. | Yes |
| CQ-24-574 | Pala Band of Mission Indians | Non-hazardous soil | GHD Services Inc. | Yes |
| CQ-24-575 | Pala Band of Mission Indians | Non-hazardous soil | GHD Services Inc. | Yes |
| CQ-24-576 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-577 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-578 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-579 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-580 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-581 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-582 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-583 | Long Beach Unified School District | Non-hazardous soil | Leighton Consulting, Inc. | Yes |
| CQ-24-584 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-585 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-586 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-587 | Caltrans | Asphalt grindings with paint chips | Timmerman Engineering Construction | Yes |
| CQ-24-588 | LAUSD | Non-hazardous soil | Baader Environmental Consulting, Inc. | Yes |
| CQ-24-589 | City of Bell Gardens | Non-hazardous soil | Costera Waste & Environmental | Yes |
| CQ-24-590 | Maverik, Inc. | Non-hazardous soil | Stantec | Yes |
| CQ-24-591 | Roxford XC, LLC | Non-hazardous soil | Equipoise Corporation | Yes |
| CQ-24-592 | Yvette Gonzales | Non-hazardous soil | American Integrated Services | Yes |
| CQ-24-593 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-594 | Los Angeles Dept. of Power & Water | Non-hazardous soil | MBC Aquatic Sciences | Yes |
| CQ-24-595 | SpaceX | Non-hazardous soil | Belshire Environmental | Yes |
| CQ-24-596 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-597 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-598 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-599 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-600 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-601 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-602 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-603 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-604 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-605 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-606 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-607 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-608 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-609 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-610 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-611 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |

**TABLE 2**
**SPECICAL WASTE PROFILE INFORMATION**
Chiquita Canyon Landfill

| Profile No. | Generator | Waste Desription | Sampler | Lab Report Attached |
|---|---|---|---|---|
| CQ-24-612 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-613 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-614 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-615 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-616 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-617 | DTSC - Exide Residential Cleanup | Non-hazardous soil | National Engineering & Consulting Group | Yes |
| CQ-24-618 | Griffith Company | Non-hazardous soil | Griffith Company | Yes |
| CQ-24-619 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-620 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-621 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-622 | Industrial Enterprises, ACLP | Non-hazardous soil | Citadel EHS | Yes |
| CQ-24-623 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-624 | John Wayne Airport | Absorbant socks | Patriot Environmental Services | Yes |
| CQ-24-625 | Long Beach Unified School District | Non-hazardous soil | Leighton Consulting, Inc. | Yes |
| CQ-24-626 | Chiquita Canyon Landfill | Non-hazardous soil | CTEH Chiquita Canyon Landfill | Yes |
| CQ-24-627 | Los Angeles Dept. of Power & Water | Non-hazardous soil, cement, and gravel | American Integrated Services | Yes |
| CQ-24-628 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-629 | DTSC - Exide Residential Cleanup | Non-hazardous soil | Parsons | Yes |
| CQ-24-630 | County of Ventura Department of Airports | Non-hazardous soil | LimnoTech, Inc. | Yes |
| CQ-24-631 | City of Los Angeles Housing Department | Treated wood | n/a | Not required |
| CQ-24-632 | RREEF America REIT Corp. BBB | Non-hazardous soil | Murex Environmental | Yes |
| CQ-24-633 | Flavor Producers, Inc. | Non-hazardous soil | Costera Waste & Environmental | Yes |
| CQ-24-634 | Bridgestone Retail Operations | Non-hazardous soil | WSP USA Inc. | Yes |
| CQ-24-635 | Bridgestone Retail Operations, LLC | Non-hazardous soil | Capital Environmental Services | Yes |
| CQ-24-636 | 786 S Fair Oaks Mob LLC | Non-hazardous UST slurry | Vista Environmental Consulting, Inc | Yes |
| CQ-24-637 | Los Angeles County Sanitation District | Non-hazardous soil w/ debris | Summit Environmental Contractors | Yes |
| CQ-24-638 | LAUSD | Non-hazardous soil | RMA Group | Yes |
| CQ-24-639 | Southern California Edison | Non-hazardous soil | Southern California Edison Company | Yes |

NOTE: * Missing Profile/CAR/COC will be provided in future reports when they become available.

# ATTACHMENT A

## Special Waste Analytical Reports

# Report Prepared For:

## Parsons

# Client Project Description:
D1259 - 3809 E 58th St, Maywood, CA 90270

# ATL Work Order: 2401197

Date of Preparation: 07-25-2024

ATL is an analytical laboratory accredited by:
- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401197


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July 25, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401197

Client Reference : D1259 - 3809 E 58th St, Maywood, CA 90270

Enclosed are the results for sample(s) received on July 16, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 07/25/24 14:11 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 07/25/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| D1259-WC-A1A2 | 2401197-01 | Soil | 7/16/24 9:20 | 7/16/24 14:35 |
| D1259-WC-A1A2A3 | 2401197-02 | Soil | 7/16/24 9:25 | 7/16/24 14:35 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 07/25/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on July 16th, 2024 at 14:35. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/25/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/25/2024 |

## Client Sample ID: D1259-WC-A1A2
## Lab ID: 2401197-01

**Total Metals by ICP-AES EPA 6010B** — **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.3** | 2.0 | 0.77 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | |
| **Arsenic** | **2.2** | 2.0 | 0.71 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | |
| **Cadmium** | **0.43** | 1.0 | 0.06 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | J |
| **Copper** | **27** | 1.0 | 0.22 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | |
| **Lead** | **58** | 1.0 | 0.18 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | |
| **Zinc** | **130** | 2.0 | 0.30 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | |

## Client Sample ID: D1259-WC-A1A2A3
## Lab ID: 2401197-02

**Total Metals by ICP-AES EPA 6010B** — **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **2.9** | 2.0 | 0.77 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | |
| **Arsenic** | **1.9** | 2.0 | 0.71 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | J |
| **Cadmium** | **0.10** | 1.0 | 0.06 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | J |
| **Copper** | **25** | 1.0 | 0.22 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | |
| **Lead** | **34** | 1.0 | 0.18 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | |
| **Zinc** | **93** | 2.0 | 0.30 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/25/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0793 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4G0793-BLK1)** | | | | | | Prepared: 7/16/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | ND | 1.0 | 0.22 | | | | | | | U |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4G0793-BS1)** | | | | | | Prepared: 7/16/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 21.9039 | 2.0 | 0.77 | 25.0000 | | 87.6 | 80 - 120 | | | |
| Arsenic | 23.7367 | 2.0 | 0.71 | 25.0000 | | 94.9 | 80 - 120 | | | |
| Cadmium | 23.0132 | 1.0 | 0.06 | 25.0000 | | 92.1 | 80 - 120 | | | |
| Copper | 25.5508 | 1.0 | 0.22 | 25.0000 | | 102 | 80 - 120 | | | |
| Lead | 23.1048 | 1.0 | 0.18 | 25.0000 | | 92.4 | 80 - 120 | | | |
| Zinc | 24.9156 | 2.0 | 0.30 | 25.0000 | | 99.7 | 80 - 120 | | | |
| **Matrix Spike (B4G0793-MS1)** | | | **Source: 2401197-01** | | | Prepared: 7/16/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 22.4346 | 2.0 | 0.77 | 25.0000 | 3.25442 | 76.7 | 75 - 125 | | | |
| Arsenic | 21.2328 | 2.0 | 0.71 | 25.0000 | 2.20390 | 76.1 | 75 - 125 | | | |
| Cadmium | 22.3656 | 1.0 | 0.06 | 25.0000 | 0.425823 | 87.8 | 75 - 125 | | | |
| Copper | 52.6933 | 1.0 | 0.22 | 25.0000 | 26.8784 | 103 | 75 - 125 | | | |
| Lead | 85.0366 | 1.0 | 0.18 | 25.0000 | 58.2036 | 107 | 75 - 125 | | | |
| Zinc | 149.612 | 2.0 | 0.30 | 25.0000 | 128.405 | 84.8 | 75 - 125 | | | |
| **Matrix Spike Dup (B4G0793-MSD1)** | | | **Source: 2401197-01** | | | Prepared: 7/16/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 20.9375 | 2.0 | 0.77 | 25.0000 | 3.25442 | 70.7 | 75 - 125 | 6.90 | 20 | M2 |
| Arsenic | 21.1509 | 2.0 | 0.71 | 25.0000 | 2.20390 | 75.8 | 75 - 125 | 0.386 | 20 | |
| Cadmium | 22.6805 | 1.0 | 0.06 | 25.0000 | 0.425823 | 89.0 | 75 - 125 | 1.40 | 20 | |
| Copper | 53.0654 | 1.0 | 0.22 | 25.0000 | 26.8784 | 105 | 75 - 125 | 0.704 | 20 | |
| Lead | 86.6942 | 1.0 | 0.18 | 25.0000 | 58.2036 | 114 | 75 - 125 | 1.93 | 20 | |
| Zinc | 153.670 | 2.0 | 0.30 | 25.0000 | 128.405 | 101 | 75 - 125 | 2.68 | 20 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/25/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0793 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4G0793-PS1)** | | | **Source: 2401197-01** | | Prepared: 7/16/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 0.428306 | | 0.500000 | 0.065088 | 72.6 | 75 - 125 | | | M2 |
| Arsenic | 0.413708 | | 0.500000 | 0.044078 | 73.9 | 75 - 125 | | | M2 |
| Cadmium | 0.439954 | | 0.500000 | 0.008516 | 86.3 | 75 - 125 | | | |
| Copper | 1.06308 | | 0.500000 | 0.537567 | 105 | 75 - 125 | | | |
| Lead | 1.80140 | | 0.500000 | 1.16407 | 127 | 75 - 125 | | | M2 |
| Zinc | 3.12731 | | 0.500000 | 2.56810 | 112 | 75 - 125 | | | |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 240197

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ Ontrac ☐ GSO ☐ Other:

Sample Conditions Upon Receipt

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | |
|---|---|---|---|---|
| Company: **Parsons** | Address: 100 W. Walnut Street | | | Tel: |
| | City: Pasadena | State: CA | Zip: 91124 | Fax: |

| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO |
|---|---|
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: Email: |
| Company: Parsons | Company: |
| Address: 100 W. Walnut Street | Address: |
| City: Pasadena State: CA Zip: 91124 | City: State: Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

| | | | |
|---|---|---|---|
| Project Name: DTSC Exide Residential | Quote #: | | |
| Site Address: 3809 E 58th St, Maywood CA 90270 | Site ID: D1259 | | |
| Project No.: 684735 | PO #: | | |
| Sampler: Brenda Ballesteros | | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Liter; 6=Terlar; 7=Canister | Material: 1=Glass; 2=Plastic; 3=Metal | Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=NaOH; 6=MeOH; 7=NaOH/ZnAc | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | D1259-WC-A1A2 | D1259-WC | 7/16/2024 | 0920 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | D1259-WC-A1A2A3 | D1259-WC | 7/16/2024 | 0925 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Brenda B | 7/16/24 | 1115 | | 7/16/24 | 1115 |
| | 7/16/24 | 1435 | Jason | 7/16/24 | 1435 |
| | | | | | |



Table of Contents

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| D1259-WC-A1A2 | 2401197-01 |
| D1259-WC-A1A2A3 | 2401197-02 |

# Sample Receiving Documents

# Sample Receipt Confirmation

**Work Order # 2401197**

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **D1259 - 3809 E 58th St, Maywood, CA 90270** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 07/23/2024 20:00 | Received in Lab: | 07/16/2024 14:35 |
| Received By: | Thoai Trinh | Method of Delivery: | ATL Courier |
| Logged In By: | Ethan Tran | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401197-01 D1259-WC-A1A2 [Soil] Sampled 07/16/2024 09:20** | | | |
| 6010_Exide_6 Metals Ver: NONE | 07/23/2024 20:00 | 01/12/2025 00:00 | 1 |
| **2401197-02 D1259-WC-A1A2A3 [Soil] Sampled 07/16/2024 09:25** | | | |
| 6010_Exide_6 Metals Ver: NONE | 07/23/2024 20:00 | 01/12/2025 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401197

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **D1259 - 3809 E 58th St, Maywood, CA 90270** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 17. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil  Laboratory ID: 2401197-01  Laboratory ID: D1259-WC-A1A2

Sampled: 07/16/24 09:20  Prepared: 07/16/24 18:30  Analyzed: 07/24/24 19:11

Batch: B4G0793  Sequence: S4G0637  Instrument: ICP-16

Preparation: EPA 3050B_S  Method: EPA 6010B  Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.3 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 2.2 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 0.43 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 27 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 58 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 130 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil  Laboratory ID: 2401197-02  Laboratory ID: D1259-WC-A1A2A3

Sampled: 07/16/24 09:25  Prepared: 07/16/24 18:30  Analyzed: 07/24/24 19:13

Batch: B4G0793  Sequence: S4G0637  Instrument: ICP-16

Preparation: EPA 3050B_S  Method: EPA 6010B  Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.9 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 1.9 | 0.71 | 2.0 | 1 | J |
| 7440-43-9 | Cadmium | 0.10 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 25 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 34 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 93 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401197 |
| Client: | Parsons | Project: | D1259 - 3809 E 58th St, Maywood, CA 90270 |
| Batch: | B4G0793 Batch Matrix: Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| D1259-WC-A1A2 | 2401197-01 | 07/16/24 18:30 | 1.00 | 50 |
| D1259-WC-A1A2A3 | 2401197-02 | 07/16/24 18:30 | 1.00 | 50 |
| Blank | B4G0793-BLK1 | 07/16/24 21:04 | 1.00 | 50 |
| LCS | B4G0793-BS1 | 07/16/24 21:04 | 1.00 | 50 |
| Matrix Spike | B4G0793-MS1 | 07/16/24 21:04 | 1.00 | 50 |
| Matrix Spike Dup | B4G0793-MSD1 | 07/16/24 21:04 | 1.00 | 50 |
| Dilution Check | B4G0793-SRL1 | 07/16/24 21:04 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0793

**Extraction Method:** EPA 3050B_S

**Batch Start Date:** 07/22/2024 12:30 **Batch Analyst:** TT3

**Analysis Method:** EPA 6010B

**Batch End Date:** 07/22/2024 14:45

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401197-01 | D1259-WC-A1A2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401197-02 | D1259-WC-A1A2A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0793-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0793-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0793-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401197-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0793-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401197-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0793-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2401197-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |
| A4G0398 | Concentrated Nitric Acid | 240238 |
| A4G0395 | Hydrogen Peroxide | K54376509 |
| A4F0571 | 1:1 Nitric Acid | NA |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Dispenser ID | MPDISP02 | 347844 |
| Thermometer ID | MPTHERM 09 | 935128 |
| Digestion Unit | DB01 | 4507CEC2139 |
| Pipette | MPP01 | 22E77439 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Dispenser ID | MPDISP01 | 04K58398 |
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0793

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0793-BLK1 | Antimony | -1.06624 | 0.77 | 2.0 | 07/24/24 18:38 | U | EPA 6010B |
| | Arsenic | 0.069908 | 0.71 | 2.0 | 07/24/24 18:38 | U | EPA 6010B |
| | Cadmium | -1.25886 | 0.06 | 1.0 | 07/24/24 18:38 | U | EPA 6010B |
| | Copper | -0.544944 | 0.22 | 1.0 | 07/24/24 18:38 | U | EPA 6010B |
| | Lead | -0.964172 | 0.18 | 1.0 | 07/24/24 18:38 | U | EPA 6010B |
| | Zinc | -0.156114 | 0.30 | 2.0 | 07/24/24 18:38 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0793
Concentration Units: mg/kg

Laboratory ID: B4G0793-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 21.9039 | 25.0000 | 87.6 | | 80 - 120 |
| Arsenic | 23.7367 | 25.0000 | 94.9 | | 80 - 120 |
| Cadmium | 23.0132 | 25.0000 | 92.1 | | 80 - 120 |
| Copper | 25.5508 | 25.0000 | 102 | | 80 - 120 |
| Lead | 23.1048 | 25.0000 | 92.4 | | 80 - 120 |
| Zinc | 24.9156 | 25.0000 | 99.7 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0793
Concentration Units: mg/kg
Source Sample Name: **2401197-01**

Laboratory ID: B4G0793-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Antimony | 3.25442 | 22.4346 | 25.0000 | 76.7 | | 75 - 125 |
| Arsenic | 2.20390 | 21.2328 | 25.0000 | 76.1 | | 75 - 125 |
| Cadmium | 0.425823 | 22.3656 | 25.0000 | 87.8 | | 75 - 125 |
| Copper | 26.8784 | 52.6933 | 25.0000 | 103 | | 75 - 125 |
| Lead | 58.2036 | 85.0366 | 25.0000 | 107 | | 75 - 125 |
| Zinc | 128.405 | 149.612 | 25.0000 | 84.8 | | 75 - 125 |

Laboratory ID: B4G0793-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Antimony | 20.9375 | 70.7 | 6.90 | 25.0000 | M2 | 20 | 75 - 125 |
| Arsenic | 21.1509 | 75.8 | 0.386 | 25.0000 | | 20 | 75 - 125 |
| Cadmium | 22.6805 | 89.0 | 1.40 | 25.0000 | | 20 | 75 - 125 |
| Copper | 53.0654 | 105 | 0.704 | 25.0000 | | 20 | 75 - 125 |
| Lead | 86.6942 | 114 | 1.93 | 25.0000 | | 20 | 75 - 125 |
| Zinc | 153.670 | 101 | 2.68 | 25.0000 | | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0793

Concentration Units: mg/L

Source Sample Name: **2401197-01**

Laboratory ID: B4G0793-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0793-PS1 | | | | | | |
| Antimony | 0.065088 | 0.428306 | 0.500000 | 72.6 | M2 | 75 - 125 |
| Arsenic | 0.044078 | 0.413708 | 0.500000 | 73.9 | M2 | 75 - 125 |
| Cadmium | 0.008516 | 0.439954 | 0.500000 | 86.3 | | 75 - 125 |
| Copper | 0.537567 | 1.06308 | 0.500000 | 105 | | 75 - 125 |
| Lead | 1.16407 | 1.80140 | 0.500000 | 127 | M2 | 75 - 125 |
| Zinc | 2.56810 | 3.12731 | 0.500000 | 112 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Sequence: S4G0637

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0637-IBL1 | 240724-01 RR2-001 | 07/24/24 11:25 |
| Cal Standard | S4G0637-CAL1 | 240724-01 RR2-002 | 07/24/24 11:28 |
| Cal Standard | S4G0637-CAL2 | 240724-01 RR2-003 | 07/24/24 11:30 |
| Cal Standard | S4G0637-CAL3 | 240724-01 RR2-004 | 07/24/24 11:32 |
| Cal Standard | S4G0637-CAL4 | 240724-01 RR2-005 | 07/24/24 11:35 |
| Cal Standard | S4G0637-CAL5 | 240724-01 RR2-006 | 07/24/24 11:37 |
| Cal Standard | S4G0637-CAL6 | 240724-01 RR2-007 | 07/24/24 11:39 |
| Cal Standard | S4G0637-CAL7 | 240724-01 RR2-008 | 07/24/24 11:41 |
| Initial Cal Check | S4G0637-ICV1 | 240724-01 RR2-009 | 07/24/24 11:49 |
| Initial Cal Blank | S4G0637-ICB1 | 240724-01 RR2-010 | 07/24/24 11:50 |
| Interference Check A | S4G0637-IFA1 | 240724-01 RR2-012 | 07/24/24 12:00 |
| Interference Check B | S4G0637-IFB1 | 240724-01 RR2-013 | 07/24/24 12:02 |
| Calibration Check | S4G0637-CCV1 | 240724-01 RR2-014 | 07/24/24 13:08 |
| Calibration Blank | S4G0637-CCB1 | 240724-01 RR2-015 | 07/24/24 13:10 |
| Calibration Check | S4G0637-CCVC | 240724-01 RR2-160 | 07/24/24 18:24 |
| Calibration Blank | S4G0637-CCBC | 240724-01 RR2-161 | 07/24/24 18:26 |
| Blank | B4G0793-BLK1 | 240724-01 RR2-166 | 07/24/24 18:38 |
| LCS | B4G0793-BS1 | 240724-01 RR2-167 | 07/24/24 18:40 |
| D1259-WC-A1A2 | B4G0793-MS1 | 240724-01 RR2-168 | 07/24/24 18:43 |
| D1259-WC-A1A2 | B4G0793-MSD1 | 240724-01 RR2-169 | 07/24/24 18:45 |
| D1259-WC-A1A2 | B4G0793-PS1 | 240724-01 RR2-170 | 07/24/24 18:47 |
| D1259-WC-A1A2 | B4G0793-SRL1 | 240724-01 RR2-171 | 07/24/24 18:49 |
| Calibration Check | S4G0637-CCVD | 240724-01 RR2-172 | 07/24/24 19:06 |
| Calibration Blank | S4G0637-CCBD | 240724-01 RR2-173 | 07/24/24 19:09 |
| D1259-WC-A1A2 | 2401197-01 | 240724-01 RR2-174 | 07/24/24 19:11 |
| D1259-WC-A1A2A3 | 2401197-02 | 240724-01 RR2-175 | 07/24/24 19:13 |
| Calibration Check | S4G0637-CCVE | 240724-01 RR2-184 | 07/24/24 19:31 |
| Calibration Blank | S4G0637-CCBE | 240724-01 RR2-185 | 07/24/24 19:33 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0637-ICV1 | Antimony | 0.500000 | 0.498742 | 99.7 | 07/24/24 11:49 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.510534 | 102 | 07/24/24 11:49 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.506751 | 101 | 07/24/24 11:49 | +/- 10.00% |
| | Copper | 0.500000 | 0.502838 | 101 | 07/24/24 11:49 | +/- 10.00% |
| | Lead | 0.500000 | 0.525030 | 105 | 07/24/24 11:49 | +/- 10.00% |
| | Zinc | 0.500000 | 0.539127 | 108 | 07/24/24 11:49 | +/- 10.00% |
| S4G0637-CCV1 | Antimony | 2.00000 | 1.96147 | 98.1 | 07/24/24 13:08 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.03888 | 102 | 07/24/24 13:08 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.10413 | 105 | 07/24/24 13:08 | +/- 10.00% |
| | Copper | 2.00000 | 2.13943 | 107 | 07/24/24 13:08 | +/- 10.00% |
| | Lead | 2.00000 | 2.04107 | 102 | 07/24/24 13:08 | +/- 10.00% |
| | Zinc | 2.00000 | 2.06377 | 103 | 07/24/24 13:08 | +/- 10.00% |
| S4G0637-CCVC | Antimony | 2.00000 | 1.83741 | 91.9 | 07/24/24 18:24 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.90471 | 95.2 | 07/24/24 18:24 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.03120 | 102 | 07/24/24 18:24 | +/- 10.00% |
| | Copper | 2.00000 | 2.14182 | 107 | 07/24/24 18:24 | +/- 10.00% |
| | Lead | 2.00000 | 1.91540 | 95.8 | 07/24/24 18:24 | +/- 10.00% |
| | Zinc | 2.00000 | 1.88440 | 94.2 | 07/24/24 18:24 | +/- 10.00% |
| S4G0637-CCVD | Antimony | 2.00000 | 1.85472 | 92.7 | 07/24/24 19:06 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.88945 | 94.5 | 07/24/24 19:06 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.00074 | 100 | 07/24/24 19:06 | +/- 10.00% |
| | Copper | 2.00000 | 2.14563 | 107 | 07/24/24 19:06 | +/- 10.00% |
| | Lead | 2.00000 | 1.90548 | 95.3 | 07/24/24 19:06 | +/- 10.00% |
| | Zinc | 2.00000 | 1.88969 | 94.5 | 07/24/24 19:06 | +/- 10.00% |
| S4G0637-CCVE | Antimony | 2.00000 | 1.80672 | 90.3 | 07/24/24 19:31 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.88429 | 94.2 | 07/24/24 19:31 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.97218 | 98.6 | 07/24/24 19:31 | +/- 10.00% |
| | Copper | 2.00000 | 2.09772 | 105 | 07/24/24 19:31 | +/- 10.00% |
| | Lead | 2.00000 | 1.87663 | 93.8 | 07/24/24 19:31 | +/- 10.00% |
| | Zinc | 2.00000 | 1.85901 | 93.0 | 07/24/24 19:31 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0637

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0637-ICB1 | Antimony | 0.001776 | 0.02 | 0.04 | 07/24/24 11:50 | | EPA 6010B |
| | Arsenic | 0.000458 | 0.01 | 0.04 | 07/24/24 11:50 | | EPA 6010B |
| | Cadmium | -0.020357 | 0.001 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Copper | -0.019041 | 0.004 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Lead | -0.008745 | 0.004 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Zinc | -0.005248 | 0.006 | 0.04 | 07/24/24 11:50 | U | EPA 6010B |
| S4G0637-CCB1 | Antimony | -0.000831 | 0.02 | 0.04 | 07/24/24 13:10 | U | EPA 6010B |
| | Arsenic | 0.000605 | 0.01 | 0.04 | 07/24/24 13:10 | | EPA 6010B |
| | Cadmium | -0.023831 | 0.001 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Copper | -0.017424 | 0.004 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Lead | -0.017219 | 0.004 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Zinc | -0.005160 | 0.006 | 0.04 | 07/24/24 13:10 | U | EPA 6010B |
| S4G0637-CCBC | Antimony | 0.000648 | 0.02 | 0.04 | 07/24/24 18:26 | | EPA 6010B |
| | Arsenic | -0.004102 | 0.01 | 0.04 | 07/24/24 18:26 | U | EPA 6010B |
| | Cadmium | -0.025023 | 0.001 | 0.02 | 07/24/24 18:26 | U | EPA 6010B |
| | Copper | -0.012330 | 0.004 | 0.02 | 07/24/24 18:26 | U | EPA 6010B |
| | Lead | -0.017918 | 0.004 | 0.02 | 07/24/24 18:26 | U | EPA 6010B |
| | Zinc | -0.005909 | 0.006 | 0.04 | 07/24/24 18:26 | U | EPA 6010B |
| S4G0637-CCBD | Antimony | -0.005931 | 0.02 | 0.04 | 07/24/24 19:09 | U | EPA 6010B |
| | Arsenic | -0.001214 | 0.01 | 0.04 | 07/24/24 19:09 | U | EPA 6010B |
| | Cadmium | -0.024496 | 0.001 | 0.02 | 07/24/24 19:09 | U | EPA 6010B |
| | Copper | -0.012280 | 0.004 | 0.02 | 07/24/24 19:09 | U | EPA 6010B |
| | Lead | -0.018834 | 0.004 | 0.02 | 07/24/24 19:09 | U | EPA 6010B |
| | Zinc | -0.006346 | 0.006 | 0.04 | 07/24/24 19:09 | U | EPA 6010B |
| S4G0637-CCBE | Antimony | -0.009505 | 0.02 | 0.04 | 07/24/24 19:33 | U | EPA 6010B |
| | Arsenic | 0.006862 | 0.01 | 0.04 | 07/24/24 19:33 | | EPA 6010B |
| | Cadmium | -0.024634 | 0.001 | 0.02 | 07/24/24 19:33 | U | EPA 6010B |
| | Copper | -0.011887 | 0.004 | 0.02 | 07/24/24 19:33 | U | EPA 6010B |
| | Lead | -0.019421 | 0.004 | 0.02 | 07/24/24 19:33 | U | EPA 6010B |
| | Zinc | -0.005983 | 0.006 | 0.04 | 07/24/24 19:33 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0637-IFA1 | Antimony | | -0.00217 | mg/L | | <0.04 | 7/24/24 12:00 |
| | Arsenic | | -0.00089 | mg/L | | <0.04 | 7/24/24 12:00 |
| | Cadmium | | -0.01725 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Copper | | -0.02703 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Lead | | -0.04925 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Zinc | | -0.01337 | mg/L | | <0.04 | 7/24/24 12:00 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0637-IFB1 | Antimony | 0.500000 | 0.46998 | mg/L | 6 | ±20.00 % | 7/24/24 12:02 |
| | Arsenic | 0.500000 | 0.45654 | mg/L | 9 | ±20.00 % | 7/24/24 12:02 |
| | Cadmium | 0.500000 | 0.48402 | mg/L | 3 | ±20.00 % | 7/24/24 12:02 |
| | Copper | 0.500000 | 0.50106 | mg/L | 0 | ±20.00 % | 7/24/24 12:02 |
| | Lead | 0.500000 | 0.44701 | mg/L | 11 | ±20.00 % | 7/24/24 12:02 |
| | Zinc | 0.500000 | 0.44541 | mg/L | 11 | ±20.00 % | 7/24/24 12:02 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** D1259 - 3809 E 58th St, Maywood, CA 90270

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 240197

For Laboratory Use Only ATLCOC Ver:20210101

**Method of Transport**: ☐ Client ☐ ATL ☐ FedEx ☐ Ontrac ☐ GSO ☐ Other:

**Sample Conditions Upon Receipt**

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | |
|---|---|---|---|---|
| Company: **Parsons** | Address: 100 W. Walnut Street | | | Tel: |
| | City: Pasadena | State: CA | Zip: 91124 | Fax: |

| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO |
|---|---|
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: Email: |
| Company: Parsons | Company: |
| Address: 100 W. Walnut Street | Address: |
| City: Pasadena State: CA Zip: 91124 | City: State: Zip: |

**EDD**: ☐ Excel ☐ EDF ☐ Equis ☐ _____

**QA/QC**: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential
Site Address: 3809 E 58th St, Maywood CA 90270
Project No.: 684735
Sampler: Brenda Ballesteros
Quote #:
Site ID: D1259
PO #:

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Container: Type* | Container: Material* | Container: Preservative* | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | D1259-WC-A1A2 | D1259-WC | 7/16/2024 | 0920 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | D1259-WC-A1A2A3 | D1259-WC | 7/16/2024 | 0925 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Liter; 6=Tedlar; 7=Canister
Material: 1=Glass; 2=Plastic; 3=Metal
Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=NaOH; 6=NaOH, ZnAc2; 7=NaOH, ZnAc2+Ascorbic

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Brenda B | 7/16/24 | 1115 | | 7/16/24 | 1115 |
| | 7/16/24 | 1435 | Alison | 7/16/24 | 1435 |
| | | | | | |



Table of Contents

# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0417
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0417 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0473 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0418
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0418 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0472 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0419
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0419 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0420
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0420 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0421
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0421 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0422
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0422 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0423
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0423 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0439 | na | 200.0000 |
| A3J0570 | 2325728-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0424
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0424 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0432
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/15/2024
**Date Expires:** 07/29/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0432 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3J0482 | 2222032-100 | 3.0000 |
| A0B0014 | 220015067 | 0.1500 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0436
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0438
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0438 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0436 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# Report Prepared For:

## Parsons

# Client Project Description:
D1259 - 3809 E 58th St, Maywood, CA 90270

# ATL Work Order: 2401197

Date of Preparation: 08-16-2024

ATL is an analytical laboratory accredited by:
- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401197


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August 16, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401197

Client Reference : D1259 - 3809 E 58th St, Maywood, CA 90270

Enclosed are the results for sample(s) received on July 16, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/16/24 07:51 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/16/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| D1259-WC-A1A2 | 2401197-01 | Soil | 7/16/24 9:20 | 7/16/24 14:35 |
| D1259-WC-A1A2A3 | 2401197-02 | Soil | 7/16/24 9:25 | 7/16/24 14:35 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/16/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on July 16th, 2024 at 14:35. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| Q2 | Analyte is high biased on QC. Sample result/s was non-detect (ND); therefore reanalysis was not necessary. |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| B16 | Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| B14 | Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary. |
| B13 | Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## STLC Metals by ICP-AES by EPA 6010B

**Analyte: Lead** **Analyst: KK2**

| Laboratory ID | Client Sample ID | Result | Units | PQL | MDL | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 2401197-01 | D1259-WC-A1A2 | **1.9** | mg/L | 0.10 | 0.020 | 5 | B4H0571 | 08/07/2024 | 08/09/24 15:02 | |

### Client Sample ID: D1259-WC-A1A2
### Lab ID: 2401197-01

**Total Metals by ICP-AES EPA 6010B** **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.3** | 2.0 | 0.77 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | |
| **Arsenic** | **2.2** | 2.0 | 0.71 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | |
| **Cadmium** | **0.43** | 1.0 | 0.06 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | J |
| **Copper** | **27** | 1.0 | 0.22 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | |
| **Lead** | **58** | 1.0 | 0.18 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | |
| **Zinc** | **130** | 2.0 | 0.30 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:11 | |

### Client Sample ID: D1259-WC-A1A2A3
### Lab ID: 2401197-02

**Total Metals by ICP-AES EPA 6010B** **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **2.9** | 2.0 | 0.77 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | |
| **Arsenic** | **1.9** | 2.0 | 0.71 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | J |
| **Cadmium** | **0.10** | 1.0 | 0.06 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | J |
| **Copper** | **25** | 1.0 | 0.22 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | |
| **Lead** | **34** | 1.0 | 0.18 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | |
| **Zinc** | **93** | 2.0 | 0.30 | 1 | B4G0793 | 07/16/2024 | 07/24/24 19:13 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0793 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4G0793-BLK1)** | | | | | | Prepared: 7/16/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | ND | 1.0 | 0.22 | | | | | | | U |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4G0793-BS1)** | | | | | | Prepared: 7/16/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 21.9039 | 2.0 | 0.77 | 25.0000 | | 87.6 | 80 - 120 | | | |
| Arsenic | 23.7367 | 2.0 | 0.71 | 25.0000 | | 94.9 | 80 - 120 | | | |
| Cadmium | 23.0132 | 1.0 | 0.06 | 25.0000 | | 92.1 | 80 - 120 | | | |
| Copper | 25.5508 | 1.0 | 0.22 | 25.0000 | | 102 | 80 - 120 | | | |
| Lead | 23.1048 | 1.0 | 0.18 | 25.0000 | | 92.4 | 80 - 120 | | | |
| Zinc | 24.9156 | 2.0 | 0.30 | 25.0000 | | 99.7 | 80 - 120 | | | |
| **Matrix Spike (B4G0793-MS1)** | | | **Source: 2401197-01** | | | Prepared: 7/16/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 22.4346 | 2.0 | 0.77 | 25.0000 | 3.25442 | 76.7 | 75 - 125 | | | |
| Arsenic | 21.2328 | 2.0 | 0.71 | 25.0000 | 2.20390 | 76.1 | 75 - 125 | | | |
| Cadmium | 22.3656 | 1.0 | 0.06 | 25.0000 | 0.425823 | 87.8 | 75 - 125 | | | |
| Copper | 52.6933 | 1.0 | 0.22 | 25.0000 | 26.8784 | 103 | 75 - 125 | | | |
| Lead | 85.0366 | 1.0 | 0.18 | 25.0000 | 58.2036 | 107 | 75 - 125 | | | |
| Zinc | 149.612 | 2.0 | 0.30 | 25.0000 | 128.405 | 84.8 | 75 - 125 | | | |
| **Matrix Spike Dup (B4G0793-MSD1)** | | | **Source: 2401197-01** | | | Prepared: 7/16/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 20.9375 | 2.0 | 0.77 | 25.0000 | 3.25442 | 70.7 | 75 - 125 | 6.90 | 20 | M2 |
| Arsenic | 21.1509 | 2.0 | 0.71 | 25.0000 | 2.20390 | 75.8 | 75 - 125 | 0.386 | 20 | |
| Cadmium | 22.6805 | 1.0 | 0.06 | 25.0000 | 0.425823 | 89.0 | 75 - 125 | 1.40 | 20 | |
| Copper | 53.0654 | 1.0 | 0.22 | 25.0000 | 26.8784 | 105 | 75 - 125 | 0.704 | 20 | |
| Lead | 86.6942 | 1.0 | 0.18 | 25.0000 | 58.2036 | 114 | 75 - 125 | 1.93 | 20 | |
| Zinc | 153.670 | 2.0 | 0.30 | 25.0000 | 128.405 | 101 | 75 - 125 | 2.68 | 20 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0793 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4G0793-PS1)** | | | **Source: 2401197-01** | | Prepared: 7/16/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 0.428306 | | 0.500000 | 0.065088 | 72.6 | 75 - 125 | | | M2 |
| Arsenic | 0.413708 | | 0.500000 | 0.044078 | 73.9 | 75 - 125 | | | M2 |
| Cadmium | 0.439954 | | 0.500000 | 0.008516 | 86.3 | 75 - 125 | | | |
| Copper | 1.06308 | | 0.500000 | 0.537567 | 105 | 75 - 125 | | | |
| Lead | 1.80140 | | 0.500000 | 1.16407 | 127 | 75 - 125 | | | M2 |
| Zinc | 3.12731 | | 0.500000 | 2.56810 | 112 | 75 - 125 | | | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1259 - 3809 E 58th St, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## STLC Metals by ICP-AES by EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4H0571 - STLC_S Extraction** | | | | | | | | | | |
| **Blank (B4H0571-BLK1)** | | | | | | Prepared: 8/7/2024 Analyzed: 8/9/2024 | | | | |
| Lead | ND | 0.10 | 0.020 | | | | | | | U |
| **LCS (B4H0571-BS1)** | | | | | | Prepared: 8/7/2024 Analyzed: 8/13/2024 | | | | |
| Lead | 0.538026 | 0.10 | 0.020 | 0.500000 | | 108 | 80 - 120 | | | |
| **Matrix Spike (B4H0571-MS1)** | | | **Source: 2401187-01** | | | Prepared: 8/7/2024 Analyzed: 8/9/2024 | | | | |
| Lead | 2.15162 | 0.10 | 0.020 | 0.500000 | 1.62716 | 105 | 75 - 125 | | | |
| **Matrix Spike Dup (B4H0571-MSD1)** | | | **Source: 2401187-01** | | | Prepared: 8/7/2024 Analyzed: 8/9/2024 | | | | |
| Lead | 2.17077 | 0.10 | 0.020 | 0.500000 | 1.62716 | 109 | 75 - 125 | 0.886 | 20 | |
| **Post Spike (B4H0571-PS1)** | | | **Source: 2401187-01** | | | Prepared: 8/7/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 2.14995 | | | 0.500000 | 1.62716 | 105 | 75 - 125 | | | |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 240197

For Laboratory Use Only ATLCOC Ver:20210101

| Method of Transport | Sample Conditions Upon Receipt | | | | | |
|---|---|---|---|---|---|---|
| | Condition | Y | N | Condition | Y | N |
| ☐ Client ☐ ATL | 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| ☐ FedEx ☐ OnTrac | 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| ☐ GSO | 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| ☐ Other: | 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | Address: 100 W. Walnut Street | | | Tel: | |
| | City: Pasadena | State: CA | Zip: 91124 | Fax: | |
| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO | | | EDD / QA/QC | |
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: Email: | | | Excel ☐ Routine | |
| Company: Parsons | Company: | | | EDF ☐ Caltrans | |
| Address: 100 W. Walnut Street | Address: | | | Equis ☐ Legal | |
| City: Pasadena State: CA Zip: 91124 | City: State: Zip: | | | ☐ RWQCB | |
| | | | | ☐ Level IV | |
| Project Name: DTSC Exide Residential | Quote #: | | | ☐ _____ | |
| Site Address: 3809 E 58th St, Maywood CA 90270 | Site ID: D1259 | | | | |
| Project No.: 684735 | PO #: | | | | |
| Sampler: Brenda Ballesteros | | | | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1=Tube; 2=VOA; 3=Jar; 4=Pint; 5=Liter; 6=Terlar; 7=Canister | Material: 1=Glass; 2=Plastic; 3=Metal | Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=NaOH; 6=MeOH; 7=NaOH/ZnAc | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | D1259-WC-A1A2 | D1259-WC | 7/16/2024 | 0920 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | D1259-WC-A1A2A3 | D1259-WC | 7/16/2024 | 0925 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Brenda B | 7/16/24 | 1115 | | 7/16/24 | 1115 |
| | 7/16/24 | 1435 | Alison | 7/16/24 | 1435 |
| | | | | | |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Thursday, August 1, 2024 2:04 PM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1439-WC-A1A2 (LAB REPORT 2401191): STLC for lead
2. D1439-WC-A1A2A3 (LAB REPORT 2401191): STLC for lead
3. PIA-07367-WC-A1A2 (LAB REPORT 2401189): STLC for lead
4. ENA-19-WC-A1A2 (LAB REPORT 2401187): STLC for lead
5. D1259-WC-A1A2 (LAB REPORT 2401197): STLC for lead
6. E03893-WC-A1A2 (LAB REPORT 2401195): STLC for lead
7. RP0838-WC-A1A2 (LAB REPORT 2401201): STLC and TCLP for lead
8. RP0838-WC-A1A2A3 (LAB REPORT 2401201): STLC and TCLP for lead
9. B0940-WC-A1A2A3 (LAB REPORT 2401199): STLC and TCLP for lead

Thank you,

**Nishka Parikh**
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# Sample Receiving Documents

# Sample Receipt Confirmation

**Work Order # 2401197**

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **D1259 - 3809 E 58th St, Maywood, CA 90270** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 08/08/2024 20:00 | Received in Lab: | 07/16/2024 14:35 |
| Received By: | Thoai Trinh | Method of Delivery: | ATL Courier |
| Logged In By: | Ethan Tran | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401197-01 D1259-WC-A1A2 [Soil] Sampled 07/16/2024 09:20** | | | |
| 6010_STLC Ver: Pb | 08/08/2024 20:00 | 01/12/2025 00:00 | |
| 6010_Exide_6 Metals Ver: NONE | 08/08/2024 20:00 | 01/12/2025 00:00 | 1 |
| **2401197-02 D1259-WC-A1A2A3 [Soil] Sampled 07/16/2024 09:25** | | | |
| 6010_Exide_6 Metals Ver: NONE | 08/08/2024 20:00 | 01/12/2025 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401197

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **D1259 - 3809 E 58th St, Maywood, CA 90270** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 17. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| D1259-WC-A1A2 | 2401197-01 |
| D1259-WC-A1A2A3 | 2401197-02 |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil  Laboratory ID: 2401197-01  Laboratory ID: D1259-WC-A1A2

Sampled: 07/16/24 09:20  Prepared: 07/16/24 18:30  Analyzed: 07/24/24 19:11

Batch: B4G0793  Sequence: S4G0637  Instrument: ICP-16

Preparation: EPA 3050B_S  Method: EPA 6010B  Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.3 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 2.2 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 0.43 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 27 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 58 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 130 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil  Laboratory ID: 2401197-02  Laboratory ID: D1259-WC-A1A2A3

Sampled: 07/16/24 09:25  Prepared: 07/16/24 18:30  Analyzed: 07/24/24 19:13

Batch: B4G0793  Sequence: S4G0637  Instrument: ICP-16

Preparation: EPA 3050B_S  Method: EPA 6010B  Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.9 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 1.9 | 0.71 | 2.0 | 1 | J |
| 7440-43-9 | Cadmium | 0.10 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 25 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 34 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 93 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401197 |
| Client: | Parsons | Project: | D1259 - 3809 E 58th St, Maywood, CA 90270 |
| Batch: | B4G0793 Batch Matrix: Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| D1259-WC-A1A2 | 2401197-01 | 07/16/24 18:30 | 1.00 | 50 |
| D1259-WC-A1A2A3 | 2401197-02 | 07/16/24 18:30 | 1.00 | 50 |
| Blank | B4G0793-BLK1 | 07/16/24 21:04 | 1.00 | 50 |
| LCS | B4G0793-BS1 | 07/16/24 21:04 | 1.00 | 50 |
| Matrix Spike | B4G0793-MS1 | 07/16/24 21:04 | 1.00 | 50 |
| Matrix Spike Dup | B4G0793-MSD1 | 07/16/24 21:04 | 1.00 | 50 |
| Dilution Check | B4G0793-SRL1 | 07/16/24 21:04 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0793

**Extraction Method:** EPA 3050B_S

**Analysis Method:** EPA 6010B

**Batch Start Date:** 07/22/2024 12:30 **Batch Analyst:** TT3

**Batch End Date:** 07/22/2024 14:45

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401197-01 | D1259-WC-A1A2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401197-02 | D1259-WC-A1A2A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0793-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0793-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0793-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401197-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0793-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401197-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0793-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2401197-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4F0571 | 1:1 Nitric Acid | NA |
| A4G0395 | Hydrogen Peroxide | K54376509 |
| A4G0398 | Concentrated Nitric Acid | 240238 |
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Thermometer ID | MPTHERM 09 | 935128 |
| Dispenser ID | MPDISP02 | 347844 |
| Pipette | MPP01 | 22E77439 |
| Digestion Unit | DB01 | 4507CEC2139 |
| Dispenser ID | MPDISP01 | 04K58398 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0793

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0793-BLK1 | Antimony | -1.06624 | 0.77 | 2.0 | 07/24/24 18:38 | U | EPA 6010B |
| | Arsenic | 0.069908 | 0.71 | 2.0 | 07/24/24 18:38 | U | EPA 6010B |
| | Cadmium | -1.25886 | 0.06 | 1.0 | 07/24/24 18:38 | U | EPA 6010B |
| | Copper | -0.544944 | 0.22 | 1.0 | 07/24/24 18:38 | U | EPA 6010B |
| | Lead | -0.964172 | 0.18 | 1.0 | 07/24/24 18:38 | U | EPA 6010B |
| | Zinc | -0.156114 | 0.30 | 2.0 | 07/24/24 18:38 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0793
Concentration Units: mg/kg

Laboratory ID: B4G0793-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 21.9039 | 25.0000 | 87.6 | | 80 - 120 |
| Arsenic | 23.7367 | 25.0000 | 94.9 | | 80 - 120 |
| Cadmium | 23.0132 | 25.0000 | 92.1 | | 80 - 120 |
| Copper | 25.5508 | 25.0000 | 102 | | 80 - 120 |
| Lead | 23.1048 | 25.0000 | 92.4 | | 80 - 120 |
| Zinc | 24.9156 | 25.0000 | 99.7 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0793
Concentration Units: mg/kg
Source Sample Name: **2401197-01**

Laboratory ID: B4G0793-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Antimony | 3.25442 | 22.4346 | 25.0000 | 76.7 | | 75 - 125 |
| Arsenic | 2.20390 | 21.2328 | 25.0000 | 76.1 | | 75 - 125 |
| Cadmium | 0.425823 | 22.3656 | 25.0000 | 87.8 | | 75 - 125 |
| Copper | 26.8784 | 52.6933 | 25.0000 | 103 | | 75 - 125 |
| Lead | 58.2036 | 85.0366 | 25.0000 | 107 | | 75 - 125 |
| Zinc | 128.405 | 149.612 | 25.0000 | 84.8 | | 75 - 125 |

Laboratory ID: B4G0793-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Antimony | 20.9375 | 70.7 | 6.90 | 25.0000 | M2 | 20 | 75 - 125 |
| Arsenic | 21.1509 | 75.8 | 0.386 | 25.0000 | | 20 | 75 - 125 |
| Cadmium | 22.6805 | 89.0 | 1.40 | 25.0000 | | 20 | 75 - 125 |
| Copper | 53.0654 | 105 | 0.704 | 25.0000 | | 20 | 75 - 125 |
| Lead | 86.6942 | 114 | 1.93 | 25.0000 | | 20 | 75 - 125 |
| Zinc | 153.670 | 101 | 2.68 | 25.0000 | | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0793

Concentration Units: mg/L

Source Sample Name: **2401197-01**

Laboratory ID: B4G0793-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0793-PS1 | | | | | | |
| Antimony | 0.065088 | 0.428306 | 0.500000 | 72.6 | M2 | 75 - 125 |
| Arsenic | 0.044078 | 0.413708 | 0.500000 | 73.9 | M2 | 75 - 125 |
| Cadmium | 0.008516 | 0.439954 | 0.500000 | 86.3 | | 75 - 125 |
| Copper | 0.537567 | 1.06308 | 0.500000 | 105 | | 75 - 125 |
| Lead | 1.16407 | 1.80140 | 0.500000 | 127 | M2 | 75 - 125 |
| Zinc | 2.56810 | 3.12731 | 0.500000 | 112 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Sequence: S4G0637

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0637-IBL1 | 240724-01 RR2-001 | 07/24/24 11:25 |
| Cal Standard | S4G0637-CAL1 | 240724-01 RR2-002 | 07/24/24 11:28 |
| Cal Standard | S4G0637-CAL2 | 240724-01 RR2-003 | 07/24/24 11:30 |
| Cal Standard | S4G0637-CAL3 | 240724-01 RR2-004 | 07/24/24 11:32 |
| Cal Standard | S4G0637-CAL4 | 240724-01 RR2-005 | 07/24/24 11:35 |
| Cal Standard | S4G0637-CAL5 | 240724-01 RR2-006 | 07/24/24 11:37 |
| Cal Standard | S4G0637-CAL6 | 240724-01 RR2-007 | 07/24/24 11:39 |
| Cal Standard | S4G0637-CAL7 | 240724-01 RR2-008 | 07/24/24 11:41 |
| Initial Cal Check | S4G0637-ICV1 | 240724-01 RR2-009 | 07/24/24 11:49 |
| Initial Cal Blank | S4G0637-ICB1 | 240724-01 RR2-010 | 07/24/24 11:50 |
| Interference Check A | S4G0637-IFA1 | 240724-01 RR2-012 | 07/24/24 12:00 |
| Interference Check B | S4G0637-IFB1 | 240724-01 RR2-013 | 07/24/24 12:02 |
| Calibration Check | S4G0637-CCV1 | 240724-01 RR2-014 | 07/24/24 13:08 |
| Calibration Blank | S4G0637-CCB1 | 240724-01 RR2-015 | 07/24/24 13:10 |
| Calibration Check | S4G0637-CCVC | 240724-01 RR2-160 | 07/24/24 18:24 |
| Calibration Blank | S4G0637-CCBC | 240724-01 RR2-161 | 07/24/24 18:26 |
| Blank | B4G0793-BLK1 | 240724-01 RR2-166 | 07/24/24 18:38 |
| LCS | B4G0793-BS1 | 240724-01 RR2-167 | 07/24/24 18:40 |
| D1259-WC-A1A2 | B4G0793-MS1 | 240724-01 RR2-168 | 07/24/24 18:43 |
| D1259-WC-A1A2 | B4G0793-MSD1 | 240724-01 RR2-169 | 07/24/24 18:45 |
| D1259-WC-A1A2 | B4G0793-PS1 | 240724-01 RR2-170 | 07/24/24 18:47 |
| D1259-WC-A1A2 | B4G0793-SRL1 | 240724-01 RR2-171 | 07/24/24 18:49 |
| Calibration Check | S4G0637-CCVD | 240724-01 RR2-172 | 07/24/24 19:06 |
| Calibration Blank | S4G0637-CCBD | 240724-01 RR2-173 | 07/24/24 19:09 |
| D1259-WC-A1A2 | 2401197-01 | 240724-01 RR2-174 | 07/24/24 19:11 |
| D1259-WC-A1A2A3 | 2401197-02 | 240724-01 RR2-175 | 07/24/24 19:13 |
| Calibration Check | S4G0637-CCVE | 240724-01 RR2-184 | 07/24/24 19:31 |
| Calibration Blank | S4G0637-CCBE | 240724-01 RR2-185 | 07/24/24 19:33 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0637-ICV1 | Antimony | 0.500000 | 0.498742 | 99.7 | 07/24/24 11:49 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.510534 | 102 | 07/24/24 11:49 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.506751 | 101 | 07/24/24 11:49 | +/- 10.00% |
| | Copper | 0.500000 | 0.502838 | 101 | 07/24/24 11:49 | +/- 10.00% |
| | Lead | 0.500000 | 0.525030 | 105 | 07/24/24 11:49 | +/- 10.00% |
| | Zinc | 0.500000 | 0.539127 | 108 | 07/24/24 11:49 | +/- 10.00% |
| S4G0637-CCV1 | Antimony | 2.00000 | 1.96147 | 98.1 | 07/24/24 13:08 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.03888 | 102 | 07/24/24 13:08 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.10413 | 105 | 07/24/24 13:08 | +/- 10.00% |
| | Copper | 2.00000 | 2.13943 | 107 | 07/24/24 13:08 | +/- 10.00% |
| | Lead | 2.00000 | 2.04107 | 102 | 07/24/24 13:08 | +/- 10.00% |
| | Zinc | 2.00000 | 2.06377 | 103 | 07/24/24 13:08 | +/- 10.00% |
| S4G0637-CCVC | Antimony | 2.00000 | 1.83741 | 91.9 | 07/24/24 18:24 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.90471 | 95.2 | 07/24/24 18:24 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.03120 | 102 | 07/24/24 18:24 | +/- 10.00% |
| | Copper | 2.00000 | 2.14182 | 107 | 07/24/24 18:24 | +/- 10.00% |
| | Lead | 2.00000 | 1.91540 | 95.8 | 07/24/24 18:24 | +/- 10.00% |
| | Zinc | 2.00000 | 1.88440 | 94.2 | 07/24/24 18:24 | +/- 10.00% |
| S4G0637-CCVD | Antimony | 2.00000 | 1.85472 | 92.7 | 07/24/24 19:06 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.88945 | 94.5 | 07/24/24 19:06 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.00074 | 100 | 07/24/24 19:06 | +/- 10.00% |
| | Copper | 2.00000 | 2.14563 | 107 | 07/24/24 19:06 | +/- 10.00% |
| | Lead | 2.00000 | 1.90548 | 95.3 | 07/24/24 19:06 | +/- 10.00% |
| | Zinc | 2.00000 | 1.88969 | 94.5 | 07/24/24 19:06 | +/- 10.00% |
| S4G0637-CCVE | Antimony | 2.00000 | 1.80672 | 90.3 | 07/24/24 19:31 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.88429 | 94.2 | 07/24/24 19:31 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.97218 | 98.6 | 07/24/24 19:31 | +/- 10.00% |
| | Copper | 2.00000 | 2.09772 | 105 | 07/24/24 19:31 | +/- 10.00% |
| | Lead | 2.00000 | 1.87663 | 93.8 | 07/24/24 19:31 | +/- 10.00% |
| | Zinc | 2.00000 | 1.85901 | 93.0 | 07/24/24 19:31 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0637

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0637-ICB1 | Antimony | 0.001776 | 0.02 | 0.04 | 07/24/24 11:50 | | EPA 6010B |
| | Arsenic | 0.000458 | 0.01 | 0.04 | 07/24/24 11:50 | | EPA 6010B |
| | Cadmium | -0.020357 | 0.001 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Copper | -0.019041 | 0.004 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Lead | -0.008745 | 0.004 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Zinc | -0.005248 | 0.006 | 0.04 | 07/24/24 11:50 | U | EPA 6010B |
| S4G0637-CCB1 | Antimony | -0.000831 | 0.02 | 0.04 | 07/24/24 13:10 | U | EPA 6010B |
| | Arsenic | 0.000605 | 0.01 | 0.04 | 07/24/24 13:10 | | EPA 6010B |
| | Cadmium | -0.023831 | 0.001 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Copper | -0.017424 | 0.004 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Lead | -0.017219 | 0.004 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Zinc | -0.005160 | 0.006 | 0.04 | 07/24/24 13:10 | U | EPA 6010B |
| S4G0637-CCBC | Antimony | 0.000648 | 0.02 | 0.04 | 07/24/24 18:26 | | EPA 6010B |
| | Arsenic | -0.004102 | 0.01 | 0.04 | 07/24/24 18:26 | U | EPA 6010B |
| | Cadmium | -0.025023 | 0.001 | 0.02 | 07/24/24 18:26 | U | EPA 6010B |
| | Copper | -0.012330 | 0.004 | 0.02 | 07/24/24 18:26 | U | EPA 6010B |
| | Lead | -0.017918 | 0.004 | 0.02 | 07/24/24 18:26 | U | EPA 6010B |
| | Zinc | -0.005909 | 0.006 | 0.04 | 07/24/24 18:26 | U | EPA 6010B |
| S4G0637-CCBD | Antimony | -0.005931 | 0.02 | 0.04 | 07/24/24 19:09 | U | EPA 6010B |
| | Arsenic | -0.001214 | 0.01 | 0.04 | 07/24/24 19:09 | U | EPA 6010B |
| | Cadmium | -0.024496 | 0.001 | 0.02 | 07/24/24 19:09 | U | EPA 6010B |
| | Copper | -0.012280 | 0.004 | 0.02 | 07/24/24 19:09 | U | EPA 6010B |
| | Lead | -0.018834 | 0.004 | 0.02 | 07/24/24 19:09 | U | EPA 6010B |
| | Zinc | -0.006346 | 0.006 | 0.04 | 07/24/24 19:09 | U | EPA 6010B |
| S4G0637-CCBE | Antimony | -0.009505 | 0.02 | 0.04 | 07/24/24 19:33 | U | EPA 6010B |
| | Arsenic | 0.006862 | 0.01 | 0.04 | 07/24/24 19:33 | | EPA 6010B |
| | Cadmium | -0.024634 | 0.001 | 0.02 | 07/24/24 19:33 | U | EPA 6010B |
| | Copper | -0.011887 | 0.004 | 0.02 | 07/24/24 19:33 | U | EPA 6010B |
| | Lead | -0.019421 | 0.004 | 0.02 | 07/24/24 19:33 | U | EPA 6010B |
| | Zinc | -0.005983 | 0.006 | 0.04 | 07/24/24 19:33 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0637-IFA1 | Antimony | | -0.00217 | mg/L | | <0.04 | 7/24/24 12:00 |
| | Arsenic | | -0.00089 | mg/L | | <0.04 | 7/24/24 12:00 |
| | Cadmium | | -0.01725 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Copper | | -0.02703 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Lead | | -0.04925 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Zinc | | -0.01337 | mg/L | | <0.04 | 7/24/24 12:00 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4G0637
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0637-IFB1 | Antimony | 0.500000 | 0.46998 | mg/L | 6 | ±20.00 % | 7/24/24 12:02 |
| | Arsenic | 0.500000 | 0.45654 | mg/L | 9 | ±20.00 % | 7/24/24 12:02 |
| | Cadmium | 0.500000 | 0.48402 | mg/L | 3 | ±20.00 % | 7/24/24 12:02 |
| | Copper | 0.500000 | 0.50106 | mg/L | 0 | ±20.00 % | 7/24/24 12:02 |
| | Lead | 0.500000 | 0.44701 | mg/L | 11 | ±20.00 % | 7/24/24 12:02 |
| | Zinc | 0.500000 | 0.44541 | mg/L | 11 | ±20.00 % | 7/24/24 12:02 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** D1259 - 3809 E 58th St, Maywood, CA 90270

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

# Sample Data

# ANALYSIS DATA SHEET
# WET/EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil | Laboratory ID: 2401197-01 | Laboratory ID: D1259-WC-A1A2

Sampled: 07/16/24 09:20 | Prepared: 08/07/24 17:37 | Analyzed: 08/09/24 15:02

Batch: B4H0571 | Sequence: S4H0423 | Instrument: ICP-16

Preparation: STLC_S Extraction | Method: WET/EPA 6010B | Concentration Units: mg/L

Leach Batch: B4H0527 | Leach Method: STLC_S Extraction

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 1.9 | 0.020 | 0.10 | 5 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401197 |
| Client: | Parsons | Project: | D1259 - 3809 E 58th St, Maywood, CA 90270 |
| Batch: | B4H0571 Batch Matrix: Soil | Preparation: | STLC_S Extraction |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| D1259-WC-A1A2 | 2401197-01 | 08/07/24 17:37 | 25.00 | 25 |
| Blank | B4H0571-BLK1 | 08/07/24 17:37 | 25.00 | 25 |
| LCS | B4H0571-BS1 | 08/07/24 17:37 | 25.00 | 25 |
| Matrix Spike | B4H0571-MS1 | 08/07/24 17:37 | 25.00 | 25 |
| Matrix Spike Dup | B4H0571-MSD1 | 08/07/24 17:37 | 25.00 | 25 |
| Dilution Check | B4H0571-SRL1 | 08/07/24 17:37 | 25.00 | 25 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4H0571

**Extraction Method:** STLC_S Extraction

**Batch Start Date:**

**Batch Analyst:** CH

**Analysis Method:** WET/EPA 6010B

**Batch End Date:**

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401197-01 | D1259-WC-A1A2 | 25.00 | 25.00 | | | | | | | | |
| B4H0571-BLK1 | Blank | 25.00 | 25.00 | | | | | | | | |
| B4H0571-BS1 | LCS | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | | | | | | |
| B4H0571-MS1 | Matrix Spike | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401187-01 | | | | | |
| B4H0571-MSD1 | Matrix Spike Dup | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401187-01 | | | | | |
| B4H0571-SRL1 | Dilution Check | 25.00 | 25.00 | | | 2401187-01 | | | | | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|

# METHOD BLANK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0571

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4H0571-BLK1 | Lead | -0.202257 | 0.020 | 0.10 | 08/9/24 14:36 | U | WET/EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0571
Concentration Units: mg/L

Laboratory ID: B4H0571-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Lead | 0.538026 | 0.500000 | 108 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0571

Concentration Units: mg/L

Source Sample Name: **2401187-01**

Laboratory ID: B4H0571-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Lead | 1.62716 | 2.15162 | 0.500000 | 105 | | 75 - 125 |

Laboratory ID: B4H0571-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Lead | 2.17077 | 109 | 0.886 | 0.500000 | | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0571

Concentration Units: mg/L

Source Sample Name: **2401187-01**

Laboratory ID: B4H0571-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4H0571-PS1 | | | | | | |
| Lead | 1.62716 | 2.14995 | 0.500000 | 105 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Sequence: S4H0423

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0423-IBL1 | 240809-01 RR-001 | 08/09/24 11:34 |
| Cal Standard | S4H0423-CAL1 | 240809-01 RR-002 | 08/09/24 11:37 |
| Cal Standard | S4H0423-CAL2 | 240809-01 RR-003 | 08/09/24 11:39 |
| Cal Standard | S4H0423-CAL3 | 240809-01 RR-004 | 08/09/24 11:42 |
| Cal Standard | S4H0423-CAL4 | 240809-01 RR-005 | 08/09/24 11:44 |
| Cal Standard | S4H0423-CAL5 | 240809-01 RR-006 | 08/09/24 11:46 |
| Cal Standard | S4H0423-CAL6 | 240809-01 RR-007 | 08/09/24 11:48 |
| Cal Standard | S4H0423-CAL7 | 240809-01 RR-008 | 08/09/24 11:50 |
| Initial Cal Check | S4H0423-ICV1 | 240809-01 RR-009 | 08/09/24 12:06 |
| Initial Cal Blank | S4H0423-ICB1 | 240809-01 RR-010 | 08/09/24 12:09 |
| Interference Check A | S4H0423-IFA1 | 240809-01 RR-012 | 08/09/24 12:16 |
| Interference Check B | S4H0423-IFB1 | 240809-01 RR-013 | 08/09/24 12:17 |
| Calibration Check | S4H0423-CCV1 | 240809-01 RR-014 | 08/09/24 12:24 |
| Calibration Blank | S4H0423-CCB1 | 240809-01 RR-015 | 08/09/24 12:26 |
| Calibration Check | S4H0423-CCV4 | 240809-01 RR-062 | 08/09/24 14:25 |
| Calibration Blank | S4H0423-CCB4 | 240809-01 RR-063 | 08/09/24 14:27 |
| Blank | B4H0571-BLK1 | 240809-01 RR-067 | 08/09/24 14:36 |
| Matrix Spike | B4H0571-MS1 | 240809-01 RR-069 | 08/09/24 14:41 |
| Matrix Spike Dup | B4H0571-MSD1 | 240809-01 RR-070 | 08/09/24 14:44 |
| Calibration Check | S4H0423-CCV5 | 240809-01 RR-074 | 08/09/24 14:53 |
| Calibration Blank | S4H0423-CCB5 | 240809-01 RR-075 | 08/09/24 14:55 |
| D1259-WC-A1A2 | 2401197-01 | 240809-01 RR-078 | 08/09/24 15:02 |
| Calibration Check | S4H0423-CCV6 | 240809-01 RR-086 | 08/09/24 15:21 |
| Calibration Blank | S4H0423-CCB6 | 240809-01 RR-087 | 08/09/24 15:23 |

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Sequence: S4H0455

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0455-IBL1 | 240813-02 RR-001 | 08/13/24 17:33 |
| Cal Standard | S4H0455-CAL1 | 240813-02 RR-002 | 08/13/24 17:36 |
| Cal Standard | S4H0455-CAL2 | 240813-02 RR-003 | 08/13/24 17:38 |
| Cal Standard | S4H0455-CAL3 | 240813-02 RR-004 | 08/13/24 17:40 |
| Cal Standard | S4H0455-CAL4 | 240813-02 RR-005 | 08/13/24 17:43 |
| Cal Standard | S4H0455-CAL5 | 240813-02 RR-006 | 08/13/24 17:45 |
| Cal Standard | S4H0455-CAL6 | 240813-02 RR-007 | 08/13/24 17:47 |
| Cal Standard | S4H0455-CAL7 | 240813-02 RR-008 | 08/13/24 17:49 |
| Initial Cal Check | S4H0455-ICV1 | 240813-02 RR-009 | 08/13/24 17:56 |
| Initial Cal Blank | S4H0455-ICB1 | 240813-02 RR-010 | 08/13/24 17:58 |
| Interference Check A | S4H0455-IFA1 | 240813-02 RR-012 | 08/13/24 18:04 |
| Interference Check B | S4H0455-IFB1 | 240813-02 RR-013 | 08/13/24 18:06 |
| Calibration Check | S4H0455-CCV1 | 240813-02 RR-026 | 08/13/24 18:57 |
| Calibration Blank | S4H0455-CCB1 | 240813-02 RR-027 | 08/13/24 18:59 |
| LCS | B4H0571-BS1 | 240813-02 RR-032 | 08/13/24 19:11 |
| Calibration Check | S4H0455-CCV2 | 240813-02 RR-036 | 08/13/24 19:25 |
| Calibration Blank | S4H0455-CCB2 | 240813-02 RR-037 | 08/13/24 19:27 |

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1259 - 3809 E 58th St, Maywood, CA 90270

Sequence: S4H0472

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0472-IBL1 | 240814-01 RR-001 | 08/14/24 10:53 |
| Cal Standard | S4H0472-CAL1 | 240814-01 RR-002 | 08/14/24 10:56 |
| Cal Standard | S4H0472-CAL2 | 240814-01 RR-003 | 08/14/24 10:58 |
| Cal Standard | S4H0472-CAL3 | 240814-01 RR-004 | 08/14/24 11:00 |
| Cal Standard | S4H0472-CAL4 | 240814-01 RR-005 | 08/14/24 11:03 |
| Cal Standard | S4H0472-CAL5 | 240814-01 RR-006 | 08/14/24 11:05 |
| Cal Standard | S4H0472-CAL6 | 240814-01 RR-007 | 08/14/24 11:07 |
| Cal Standard | S4H0472-CAL7 | 240814-01 RR-008 | 08/14/24 11:09 |
| Initial Cal Check | S4H0472-ICV1 | 240814-01 RR-009 | 08/14/24 11:20 |
| Initial Cal Blank | S4H0472-ICB1 | 240814-01 RR-010 | 08/14/24 11:22 |
| Interference Check A | S4H0472-IFA1 | 240814-01 RR-012 | 08/14/24 11:28 |
| Interference Check B | S4H0472-IFB1 | 240814-01 RR-013 | 08/14/24 11:30 |
| Calibration Check | S4H0472-CCV1 | 240814-01 RR-014 | 08/14/24 11:38 |
| Calibration Blank | S4H0472-CCB1 | 240814-01 RR-015 | 08/14/24 11:40 |
| Calibration Check | S4H0472-CCVI | 240814-01 RR-253 | 08/14/24 20:54 |
| Calibration Blank | S4H0472-CCBI | 240814-01 RR-254 | 08/14/24 20:56 |
| Post Spike | B4H0571-PS1 | 240814-01 RR-264 | 08/14/24 21:19 |
| Calibration Check | S4H0472-CCVJ | 240814-01 RR-265 | 08/14/24 21:22 |
| Calibration Blank | S4H0472-CCBJ | 240814-01 RR-266 | 08/14/24 21:24 |
| Dilution Check | B4H0571-SRL1 | 240814-01 RR-267 | 08/14/24 21:26 |
| Calibration Check | S4H0472-CCVK | 240814-01 RR-277 | 08/14/24 21:50 |
| Calibration Blank | S4H0472-CCBK | 240814-01 RR-278 | 08/14/24 21:53 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0423
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4G0525

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0423-ICV1 | Lead | 0.500000 | 0.524432 | 105 | 08/09/24 12:06 | +/- 10.00% |
| S4H0423-CCV1 | Lead | 2.00000 | 2.02457 | 101 | 08/09/24 12:24 | +/- 10.00% |
| S4H0423-CCV4 | Lead | 2.00000 | 1.98418 | 99.2 | 08/09/24 14:25 | +/- 10.00% |
| S4H0423-CCV5 | Lead | 2.00000 | 1.98223 | 99.1 | 08/09/24 14:53 | +/- 10.00% |
| S4H0423-CCV6 | Lead | 2.00000 | 1.95551 | 97.8 | 08/09/24 15:21 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0455
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0455-ICV1 | Lead | 0.500000 | 0.527465 | 105 | 08/13/24 17:56 | +/- 10.00% |
| S4H0455-CCV1 | Lead | 2.00000 | 1.98452 | 99.2 | 08/13/24 18:57 | +/- 10.00% |
| S4H0455-CCV2 | Lead | 2.00000 | 2.00086 | 100 | 08/13/24 19:25 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0472-ICV1 | Lead | 0.500000 | 0.527184 | 105 | 08/14/24 11:20 | +/- 10.00% |
| S4H0472-CCV1 | Lead | 2.00000 | 1.98890 | 99.4 | 08/14/24 11:38 | +/- 10.00% |
| S4H0472-CCVI | Lead | 2.00000 | 1.96174 | 98.1 | 08/14/24 20:54 | +/- 10.00% |
| S4H0472-CCVJ | Lead | 2.00000 | 1.94340 | 97.2 | 08/14/24 21:22 | +/- 10.00% |
| S4H0472-CCVK | Lead | 2.00000 | 1.92082 | 96.0 | 08/14/24 21:50 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0423

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0423-ICB1 | Lead | -0.029312 | 0.0041 | 0.020 | 08/9/24 12:09 | U | WET/EPA 6010B |
| S4H0423-CCB1 | Lead | -0.031805 | 0.0041 | 0.020 | 08/9/24 12:26 | U | WET/EPA 6010B |
| S4H0423-CCB4 | Lead | -0.038290 | 0.0041 | 0.020 | 08/9/24 14:27 | U | WET/EPA 6010B |
| S4H0423-CCB5 | Lead | -0.041451 | 0.0041 | 0.020 | 08/9/24 14:55 | U | WET/EPA 6010B |
| S4H0423-CCB6 | Lead | -0.040463 | 0.0041 | 0.020 | 08/9/24 15:23 | U | WET/EPA 6010B |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0455

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0455-ICB1 | Lead | 0.002019 | 0.0041 | 0.020 | 08/13/24 17:58 | | WET/EPA 6010B |
| S4H0455-CCB1 | Lead | -0.002293 | 0.0041 | 0.020 | 08/13/24 18:59 | U | WET/EPA 6010B |
| S4H0455-CCB2 | Lead | 0.003004 | 0.0041 | 0.020 | 08/13/24 19:27 | | WET/EPA 6010B |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0472

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0472-ICB1 | Lead | 0.007855 | 0.0041 | 0.020 | 08/14/24 11:22 | 16, Q | WET/EPA 6010B |
| S4H0472-CCB1 | Lead | 0.008591 | 0.0041 | 0.020 | 08/14/24 11:40 | 3, B | WET/EPA 6010B |
| S4H0472-CCBI | Lead | 0.002873 | 0.0041 | 0.020 | 08/14/24 20:56 | | WET/EPA 6010B |
| S4H0472-CCBJ | Lead | 0.001220 | 0.0041 | 0.020 | 08/14/24 21:24 | | WET/EPA 6010B |
| S4H0472-CCBK | Lead | 0.001927 | 0.0041 | 0.020 | 08/14/24 21:53 | | WET/EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0423
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0423-IFA1 | Lead | | -0.05526 | mg/L | | <0.02 | 8/9/24 12:16 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0423
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0423-IFB1 | Lead | 0.500000 | 0.44761 | mg/L | 11 | ±20.00 % | 8/9/24 12:17 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0455
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0455-IFA1 | Lead | | -0.01547 | mg/L | | <0.02 | 8/13/24 18:04 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0455
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0455-IFB1 | Lead | 0.500000 | 0.43829 | mg/L | 12 | ±20.00 % | 8/13/24 18:06 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0472-IFA1 | Lead | | 0.00074 | mg/L | | <0.02 | 8/14/24 11:28 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1259 - 3809 E 58th St, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0472-IFB1 | Lead | 0.500000 | 0.49434 | mg/L | 1 | ±20.00 % | 8/14/24 11:30 |

# METHOD DETECTION AND REPORTING LIMITS
# WET/EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** D1259 - 3809 E 58th St, Maywood, CA 90270

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 240197

For Laboratory Use Only ATLCOC Ver:20210101

| Method of Transport | Sample Conditions Upon Receipt | | | | | |
|---|---|---|---|---|---|---|
| | Condition | Y | N | Condition | Y | N |
| ☐ Client ☐ ATL | 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| ☐ FedEx ☐ Ontrac | 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| ☐ GSO | 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| ☐ Other: | 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | Address: 100 W. Walnut Street | | | Tel: | |
| | City: Pasadena | State: CA | Zip: 91124 | Fax: | |
| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO | | | EDD / QA/QC | |
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: Email: | | | Excel ☐ Routine | |
| Company: Parsons | Company: | | | EDF ☐ Caltrans | |
| Address: 100 W. Walnut Street | Address: | | | Equis ☐ Legal | |
| City: Pasadena State: CA Zip: 91124 | City: State: Zip: | | | ☐ RWQCB | |
| | | | | ☐ Level IV | |
| Project Name: DTSC Exide Residential | Quote #: | | | ☐ _____ | |
| Site Address: 3809 E 58th St, Maywood CA 90270 | Site ID: D1259 | | | | |
| Project No.: 684735 | PO #: | | | | |
| Sampler: Brenda Ballesteros | | | | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Liter; 6=Tedlar; 7=Canister | Material: 1=Glass; 2=Plastic; 3=Metal | Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=NaOH; 6=MeOH; 7=NaOH/ZnAc | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | D1259-WC-A1A2 | D1259-WC | 7/16/2024 | 0920 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | D1259-WC-A1A2A3 | D1259-WC | 7/16/2024 | 0925 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Brenda B | 7/16/24 | 1115 | | 7/16/24 | 1115 |
| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
| | 7/16/24 | 1435 | Alison | 7/16/24 | 1435 |
| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Thursday, August 1, 2024 2:04 PM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1439-WC-A1A2 (LAB REPORT 2401191): STLC for lead
2. D1439-WC-A1A2A3 (LAB REPORT 2401191): STLC for lead
3. PIA-07367-WC-A1A2 (LAB REPORT 2401189): STLC for lead
4. ENA-19-WC-A1A2 (LAB REPORT 2401187): STLC for lead
5. D1259-WC-A1A2 (LAB REPORT 2401197): STLC for lead
6. E03893-WC-A1A2 (LAB REPORT 2401195): STLC for lead
7. RP0838-WC-A1A2 (LAB REPORT 2401201): STLC and TCLP for lead
8. RP0838-WC-A1A2A3 (LAB REPORT 2401201): STLC and TCLP for lead
9. B0940-WC-A1A2A3 (LAB REPORT 2401199): STLC and TCLP for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0417
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0417 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0473 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0418
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0418 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0472 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0419
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0419 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0420
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0420 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0421
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0421 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0422
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0422 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0423
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0423 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0439 | na | 200.0000 |
| A3J0570 | 2325728-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0424
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0424 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0432
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/15/2024
**Date Expires:** 07/29/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0432 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3J0482 | 2222032-100 | 3.0000 |
| A0B0014 | 220015067 | 0.1500 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0436
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0438
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0438 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0436 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0505
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0505 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4F0560 | 2334620-100 | 0.1500 |
| A3J0482 | 2222032-100 | 3.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0521
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0521 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0522 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0522
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0522 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0523 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0523
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0523 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0525 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0524
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0524 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0525 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0525
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0525 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0527 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0526
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0526 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0527 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0527
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0527 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0507 | na | 200.0000 |
| A4F0561 | 2413109-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0528
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0528 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0504 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0394
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/07/2024
**Date Expires:** 08/21/2024
**Prepared by:** Juan Flores
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0394 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0434
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0434 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0435
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/26/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4H0435 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4F0560 | 2334620-100 | 0.1500 |
| A3J0482 | 2222032-100 | 3.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0436
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/21/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4H0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0394 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0457
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4H0457 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0443 | na | 200.0000 |
| A4F0561 | 2413109-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0458
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0458 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0457 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0459
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0459 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0457 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0460
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0460 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0459 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0461
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0461 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0459 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0462
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0462 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0461 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0463
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0463 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0462 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

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August 07, 2024

AETL Job No: BFH0012
Received Date: 07/31/2024
Project Number: 684735

Parsons
100 West Walnut Street
Pasadena, CA 91124
Telephone: (626) 344-6565

Attention: Pete Shair

Project Name: DTSC Exide Residential

Site: E1291
5300 E. Washington Blvd.
Commerce, CA 90040

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Laboratory Director

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
*No duplication of this report is allowed, except in its entirety without written approval of the laboratory.*

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| | | | | |
|---|---|---|---|---|
| Parsons | AETL Job Number: | BFH0012 | Site: | E1291 |
| | Project Number: | 684735 | | 5300 E. Washington Blvd. |
| 100 West Walnut Street | Attention: | Pete Shair | | Commerce, CA 90040 |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/07/2024 12:05 |

# Data Validatable Report

## Work Order Case Narrative

## Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.

## Samples in this Report

| Lab ID | Sample | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| BFH0012-01 | E1291-WC-A1A2 | Soil | 07/31/2024 11:38 | 07/31/2024 |
| BFH0012-02 | E1291-WC-A1A2A3 | Soil | 07/31/2024 11:43 | 07/31/2024 |

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| | | | | |
|---|---|---|---|---|
| Parsons | AETL Job Number: | BFH0012 | Site: | E1291 |
| | Project Number: | 684735 | | 5300 E. Washington Blvd. |
| 100 West Walnut Street | Attention: | Pete Shair | | Commerce, CA 90040 |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/07/2024 12:05 |

## Containers Received

| Lab ID | Container Type | Count | Preservation Check |
|---|---|---|---|
| BFH0012-01 | | | |
| | Glass Jar - 8 oz | 1 | |
| BFH0012-02 | | | |
| | Glass Jar - 8 oz | 1 | |

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| | | | | | |
|---|---|---|---|---|---|
| Parsons | | AETL Job Number: | BFH0012 | Site: | E1291 |
| | | Project Number: | 684735 | | 5300 E. Washington Blvd. |
| 100 West Walnut Street | | Attention: | Pete Shair | | Commerce, CA 90040 |
| Pasadena, CA 91124 | | Project Name: | DTSC Exide Residential | Reported: | 08/07/2024 12:05 |

## Analytical Results

**Client ID:** **E1291-WC-A1A2**

**Lab ID:** **BFH0012-01 (Soil)** **Sampled:** **07/31/24 11:38**

### Metals Total

**Method: EPA 6010B**

| Analyte | Result | Qualifier | Dilution | MDL | RL | Units | Prepared Date/Time | Analyzed Date/Time | Batch | Analyst Initials | Prep. Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | | 1 | 0.794 | 1.98 | mg/kg | 08/02/24 07:59 | 08/05/24 16:55 | B4H0051 | LE | 3050B |
| **Arsenic** | **1.80** | J | 1 | 1.66 | 3.96 | mg/kg | 08/02/24 07:59 | 08/05/24 16:55 | B4H0051 | LE | 3050B |
| Cadmium | ND | | 1 | 0.331 | 1.98 | mg/kg | 08/02/24 07:59 | 08/05/24 16:55 | B4H0051 | LE | 3050B |
| **Copper** | **23.3** | | 1 | 2.19 | 3.96 | mg/kg | 08/02/24 07:59 | 08/05/24 16:55 | B4H0051 | LE | 3050B |
| **Lead** | **88.1** | | 1 | 0.304 | 1.98 | mg/kg | 08/02/24 07:59 | 08/05/24 16:55 | B4H0051 | LE | 3050B |
| **Zinc** | **143** | | 1 | 1.53 | 3.96 | mg/kg | 08/02/24 07:59 | 08/05/24 16:55 | B4H0051 | LE | 3050B |

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
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| | | | | | |
|---|---|---|---|---|---|
| Parsons | | AETL Job Number: | BFH0012 | Site: | E1291 |
| | | Project Number: | 684735 | | 5300 E. Washington Blvd. |
| 100 West Walnut Street | | Attention: | Pete Shair | | Commerce, CA 90040 |
| Pasadena, CA 91124 | | Project Name: | DTSC Exide Residential | Reported: | 08/07/2024 12:05 |

## Analytical Results

**Client ID:** **E1291-WC-A1A2A3**
**Lab ID:** **BFH0012-02 (Soil)** **Sampled:** **07/31/24 11:43**

### Metals Total

**Method: EPA 6010B**

| Analyte | Result | Qualifier | Dilution | MDL | RL | Units | Prepared Date/Time | Analyzed Date/Time | Batch | Analyst Initials | Prep. Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | | 1 | 0.794 | 1.98 | mg/kg | 08/02/24 07:59 | 08/05/24 16:59 | B4H0051 | LE | 3050B |
| Arsenic | ND | | 1 | 1.66 | 3.96 | mg/kg | 08/02/24 07:59 | 08/05/24 16:59 | B4H0051 | LE | 3050B |
| Cadmium | ND | | 1 | 0.331 | 1.98 | mg/kg | 08/02/24 07:59 | 08/05/24 16:59 | B4H0051 | LE | 3050B |
| **Copper** | **27.1** | | 1 | 2.19 | 3.96 | mg/kg | 08/02/24 07:59 | 08/05/24 16:59 | B4H0051 | LE | 3050B |
| **Lead** | **113** | | 1 | 0.304 | 1.98 | mg/kg | 08/02/24 07:59 | 08/05/24 16:59 | B4H0051 | LE | 3050B |
| **Zinc** | **174** | | 1 | 1.53 | 3.96 | mg/kg | 08/02/24 07:59 | 08/05/24 16:59 | B4H0051 | LE | 3050B |

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A KYZER LABS COMPANY

| | | | | | |
|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFH0012 | Site: | E1291 | |
| | Project Number: | 684735 | | 5300 E. Washington Blvd. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Commerce, CA 90040 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/07/2024 12:05 | |

## Quality Control

### Metals Total

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Method: EPA 6010B*** | | | | | | | | | | |
| ***Batch: B4H0051 - 3050B*** | | | | | | | | | | |
| **Blank (B4H0051-BLK1)** | | | | | Prepared: 08/02/2024 07:59 Analyzed: 08/05/2024 16:24 | | | | | |
| Antimony | ND | 2.00 | 0.802 | mg/kg | | | | | | |
| Arsenic | ND | 4.00 | 1.68 | mg/kg | | | | | | |
| Cadmium | ND | 2.00 | 0.334 | mg/kg | | | | | | |
| Copper | ND | 4.00 | 2.21 | mg/kg | | | | | | |
| Lead | ND | 2.00 | 0.307 | mg/kg | | | | | | |
| Zinc | ND | 4.00 | 1.54 | mg/kg | | | | | | |
| **LCS (B4H0051-BS1)** | | | | | Prepared: 08/02/2024 07:59 Analyzed: 08/05/2024 16:27 | | | | | |
| Antimony | 86.9 | | 0.802 | mg/kg | 100 | | 86.9 | 80-120 | | |
| Arsenic | 82.9 | | 1.68 | mg/kg | 100 | | 82.9 | 80-120 | | |
| Cadmium | 90.4 | | 0.334 | mg/kg | 100 | | 90.4 | 80-120 | | |
| Copper | 91.2 | | 2.21 | mg/kg | 100 | | 91.2 | 80-120 | | |
| Lead | 111 | | 0.307 | mg/kg | 100 | | 111 | 80-120 | | |
| Zinc | 90.4 | | 1.54 | mg/kg | 100 | | 90.4 | 80-120 | | |
| **LCS Dup (B4H0051-BSD1)** | | | | | Prepared: 08/02/2024 07:59 Analyzed: 08/05/2024 16:31 | | | | | |
| Antimony | 88.1 | | 0.802 | mg/kg | 100 | | 88.1 | 80-120 | 1.32 | 15 |
| Arsenic | 82.4 | | 1.68 | mg/kg | 100 | | 82.4 | 80-120 | 0.618 | 15 |
| Cadmium | 90.5 | | 0.334 | mg/kg | 100 | | 90.5 | 80-120 | 0.175 | 15 |
| Copper | 91.4 | | 2.21 | mg/kg | 100 | | 91.4 | 80-120 | 0.241 | 15 |
| Lead | 112 | | 0.307 | mg/kg | 100 | | 112 | 80-120 | 0.968 | 15 |
| Zinc | 91.3 | | 1.54 | mg/kg | 100 | | 91.3 | 80-120 | 1.01 | 15 |
| **Matrix Spike (B4H0051-MS1)** | | **Source: BFH0008-01** | | | Prepared: 08/02/2024 07:59 Analyzed: 08/05/2024 16:47 | | | | | |
| Antimony | 26.3 M | | 0.802 | mg/kg | 100 | 0.881 | 25.4 | 70-130 | | |
| Arsenic | 77.3 | | 1.68 | mg/kg | 100 | ND | 77.3 | 70-130 | | |
| Cadmium | 82.8 | | 0.334 | mg/kg | 100 | ND | 82.8 | 70-130 | | |
| Copper | 123 | | 2.21 | mg/kg | 100 | 27.3 | 95.6 | 70-130 | | |
| Lead | 194 | | 0.307 | mg/kg | 100 | 98.6 | 95.7 | 70-130 | | |
| Zinc | 222 | | 1.54 | mg/kg | 100 | 131 | 91.0 | 70-130 | | |

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| | | | | | |
|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFH0012 | Site: | E1291 | |
| | Project Number: | 684735 | | 5300 E. Washington Blvd. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Commerce, CA 90040 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/07/2024 12:05 | |

## Quality Control
**(Continued)**

### Metals Total (Continued)

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Matrix Spike Dup (B4H0051-MSD1)** | **Source: BFH0008-01** | | | Prepared: 08/02/2024 07:59 Analyzed: 08/05/2024 16:51 | | | | | | |
| Antimony | 28.5 M | | 0.794 | mg/kg | 99.0 | 0.881 | 27.9 | 70-130 | 7.85 | 15 |
| Arsenic | 69.7 | | 1.66 | mg/kg | 99.0 | ND | 70.4 | 70-130 | 10.3 | 15 |
| Cadmium | 78.6 | | 0.331 | mg/kg | 99.0 | ND | 79.4 | 70-130 | 5.18 | 15 |
| Copper | 120 | | 2.19 | mg/kg | 99.0 | 27.3 | 93.9 | 70-130 | 2.12 | 15 |
| Lead | 204 | | 0.304 | mg/kg | 99.0 | 98.6 | 107 | 70-130 | 5.10 | 15 |
| Zinc | 225 | | 1.53 | mg/kg | 99.0 | 131 | 94.3 | 70-130 | 1.06 | 15 |

***Method: EPA 6010B***

***Batch: S4H0004 - B4G0352***

| Analyte | Result | Units | Spike Level | %REC | %REC Limits |
|---|---|---|---|---|---|
| **Instrument Blank (S4H0004-IBL1)** | | Prepared & Analyzed: 08/05/2024 09:53 | | | |
| Antimony | 0.00 | mg/L | 0.00 | | |
| Arsenic | 0.00 | mg/L | 0.00 | | |
| Cadmium | 0.00 | mg/L | 0.00 | | |
| Copper | 0.00 | mg/L | 0.00 | | |
| Lead | 0.00 | mg/L | 0.00 | | |
| Zinc | 0.00 | mg/L | 0.00 | | |
| **Interference Check A (S4H0004-IFA1)** | | Prepared & Analyzed: 08/05/2024 10:57 | | | |
| Antimony | 0.0382 | mg/L | 0.00 | | 80-120 |
| Arsenic | -0.0273 | mg/L | 0.00 | | 80-120 |
| Cadmium | -0.0218 | mg/L | 0.00 | | 80-120 |
| Copper | -0.00439 | mg/L | 0.00 | | 80-120 |
| Lead | 0.0113 | mg/L | 0.00 | | 80-120 |
| Zinc | -0.0198 | mg/L | 0.00 | | 80-120 |
| **Interference Check B (S4H0004-IFB1)** | | Prepared & Analyzed: 08/05/2024 11:01 | | | |
| Antimony | 0.471 | mg/L | 0.500 | 94.2 | 80-120 |
| Arsenic | 0.484 | mg/L | 0.500 | 96.7 | 80-120 |
| Cadmium | 0.508 | mg/L | 0.500 | 102 | 80-120 |
| Copper | 0.547 | mg/L | 0.500 | 109 | 80-120 |
| Lead | 0.531 | mg/L | 0.500 | 106 | 80-120 |
| Zinc | 0.501 | mg/L | 0.500 | 100 | 80-120 |

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| | | | | |
|---|---|---|---|---|
| Parsons | AETL Job Number: | BFH0012 | Site: | E1291 |
| | Project Number: | 684735 | | 5300 E. Washington Blvd. |
| 100 West Walnut Street | Attention: | Pete Shair | | Commerce, CA 90040 |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/07/2024 12:05 |

## Qualifiers and Definitions

| Item | Qualifiers |
|---|---|
| J | Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL). |
| M | The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference. Laboratory Control Samples(LCS/LCSD) recovery were acceptable. |

| Item | Definitions |
|---|---|
| % wt | Percent Weight |
| %REC | Percent Recovery |
| * | Value outside of control limits. |
| °F | Degrees Fahrenheit |
| AETL | American Environmental Testing Laboratory, LLC |
| C | Carbon |
| CARB | California Air Resources Board |
| COC | Chain of Custody |
| Cresols | 3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol. |
| CRM | Certified Reference Material |
| DI | Deionized Water |
| DPD | Department of Planning and Development |
| DRO | Diesel Range Organics |
| Dup | Duplicate |
| ELAP | Environmental Laboratory Accreditation Program |
| EPA | Environmental Protection Agency |
| GC/FID | Gas Chromatography Flame Ionization Detection |
| GRO | Gasoline Range Organics |
| HC | Hydrocarbon |
| HEM | Hexane Extractable Material |
| HMU | Hazardous Material Unit |
| ICP/MS | Inductively Coupled Plasma Mass Spectrometry |
| LACSD | Los Angeles County Sanitation Districts |
| LCS | Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes. |
| LCSD | Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample. |
| LOQ | Limit of Quantitation |
| MDL | Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound. |
| mg/kg | Miligrams per Kilogram |
| mg/L | Miligrams per Liter |
| ml/L/hr | Milliliter per Liter per Hour |

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| | | | | |
|---|---|---|---|---|
| Parsons | AETL Job Number: | BFH0012 | Site: | E1291 |
| | Project Number: | 684735 | | 5300 E. Washington Blvd. |
| 100 West Walnut Street | Attention: | Pete Shair | | Commerce, CA 90040 |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/07/2024 12:05 |

| | |
|---|---|
| MRO | Motor oil Range Organics |
| MS | Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results. |
| MSD | Matrix Spike Duplicate - A replicate of Matrix Spike Sample. |
| N | No |
| ND | Analyte is not detected below Method Detection Limit. |
| ng/m3 | Nanograms per cubic meter |
| NIOSH | National Institute for Occupational Safety and Health |
| nL/L | Nanoliters per Liter |
| NTU | Nephelometric Turbidity Units |
| Ohm-cm | Ohms per centimeter |
| ORO | Oil Range Organics |
| OSHA | Occupational Safety and Health Administration |
| PCB | Polychlorinated Biphenyl |
| ppb v | Parts per billion by volume |
| ppmC | Parts per million Carbon |
| PSU | Practical Salinity Unit |
| Q | Qualifier Column |
| RL | Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ. |
| RPD | Relative Percent Difference |
| SIM | Selective Ion Monitoring |
| SM | Standard Method |
| SPLP | Synthetic Precipitation Leaching Procedure |
| STLC | Soluble Threshold Limit Concentration |
| TCLP | Toxicity Characteristic Leaching Procedure |
| TPH | Total Petroleum Hydrocarbons |
| TTLC | Total Threshold Limit Concentrations |
| ug/kg | Micrograms per Kilogram |
| ug/L | Micrograms per Liter |
| ug/m3 | Micrograms per cubic meter |
| WET | Waste Extraction Test |
| Y | Yes |
| ZHE | Zero Headspace Extraction |

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# WORK ORDER

**BFH0012**

Printed: 08/07/2024 12:05 pm

**Project:** **Exide Initial 200 Single Cleanup Unit (SCU)**
**Project Number:** **684735**
**Project Manager:** **Hailley Coleman**
**PO Number:**

**Report To:**
Parsons
Pete Shair
100 West Walnut Street
Pasadena, CA 91124
Phone: (626) 344-6565
Fax: (626)440-6200

**Invoice To:**
Parsons
Sarah King
100 W. Walnut St.
Pasadena, CA 91124
Phone: (626)440-6161
Fax: (626)440-6200

Date Received: 07/31/2024 04:30 PM
Date Due: 08/07/2024 (5.00 day TAT)

Logged In By: Greta Giragoosian
Received By: Greta Giragoosian

| Analysis | Comments |
|---|---|
| **BFH0012-01 E1291-WC-A1A2 [Soil] Sampled 7/31/2024 11:38:00AM** | |
| zzm_6010B_6 Metals | NONE |
| **BFH0012-02 E1291-WC-A1A2A3 [Soil] Sampled 7/31/2024 11:43:00AM** | |
| zzm_6010B_6 Metals | NONE |

**BFH0012** **Sample Receipt Log**

Default Cooler

Samples Received at: **17.5°C**

| | | | |
|---|---|---|---|
| Are the COCs Correct | Yes | Received on Ice | No |
| Labels Legible | Yes | | |
| COC/Labels Agree | Yes | | |
| Sufficient Sample Volume | Yes | | |
| Sample Labels intact | Yes | | |
| Containers In Good Condition | Yes | | |
| Samples Preserved Properly | Yes | | |
| Sufficient Holding Time for all Tests | Yes | | |

# AMERICAN ENVIRONMENTAL TESTING LABORATORY

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## CHAIN-OF-CUSTODY RECORD

AETL JOB No. BFH0012 Page 1 of 1

| | |
|---|---|
| Company: Parsons | Project Manager: Pete Shair / Linda McGlochlin |
| Company Address: 100 W. Walnut St, Pasadena, CA 91124 | Email: tom.blaney@parsons.com |
| Project Name: DTSC Exide Residential | **Project # 684735** |
| Site Property ID: E1291 | **PO #** |
| Site Address: 5300 E Washington Blvd, Commerce CA 90040 | |
| Report To: tom.blaney@parsons.com<br>Report & EDD To:<br>carla.rodman@parsons.com; jennifer.trimm@parsons.com;<br>julie.rieth@parsons.com | |

BFH0012-01
BFH0012-02

| Location ID | Start Depth (in) | End Depth (in) | Field Sample ID MUST BE UNIQUE | Sample Date | Sample Time | Sample Purpose N/FD | Sample Matrix | Sample Type Comp/Grab | # of Cont. | Field Filtered (Y/N) | | Analysis Requested: Metals (As,Pb,Cd,Cu,Zn,Sb) | Analysis Requested: Lead (6010B) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E1291-WC | 0 | 12 | E1291-WC-A1A2 | 7/31/24 | 1138 | N | Soil | C | 1 | N | | X | X | |
| E1291-WC | 0 | 18 | E1291-WC-A1A2A3 | 7/31/24 | 1143 | N | Soil | C | 1 | N | | X | X | |

**Requested Due Date/TAT:** _____ Normal 5-Day _____ 72 hours _____ 48 hours _____ 24 hours

**Deliverable Requested:** EQuIS DTSC_Cleanup EDD

**Level III/IV PDF:** Level III

| | | | |
|---|---|---|---|
| Sampler(s) Name: | Company: | | |
| Relinquished By (signature): | | Relinquished By (signature): | Sample Receipt Comments: |
| Printed Name: Brenda B | Company: | Printed Name: Pat A | Company: |
| Date/Time: 7/31/24 1415 | | Date/Time: 7-31-24 1630 | |
| Received By (signature): | | Received By (signature): | |
| Printed Name: Pat A | Company: | Printed Name: Caroline Chiriboga-Bolen | Company: AETL |
| Date/Time: 7-31-24 1415 | | Date/Time: 8/1/24 1630 | |
| Shipment Method: | | Sample Tracking No: | Samples Intact : Yes ☐ No ☐ |

**Sample Type: C = Composite; G = Grab** **Sample Purpose: N = Normal; FD = Field Duplicate** **Soil Description: BY = Backyard; FY = Front yard; SY = Side yard**



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# COOLER RECEIPT FORM

Client Name: Parsons

Project Name: DTSC Exide Residential Project No.: 684735

AETL Job Number: BFH0012

Date Received: 07/31/2024 Received by: Greta Giragoosian

Carrier: ☑ AETL Courier ☐ Client ☐ GSL ☐ FedEx ☐ UPS
☐Others:

**Samples were received in:** ☐ Cooler (_____) ☑ Other (Specify): Box

**Sample Container Temperature:** 17.5 °C IR Gun S/N: 51941911MV

**Type of sample containers:** VOA, Glass bottles, ✔Wide mouth jars, HDPE bottles, Metal sleeves, Acetate sleeves, 5035 Kit: AETL o r Client, Tedlar Bags, Summa Canister: 6L, 3L, 1L, Others (Specify): _____

**How are samples preserved:** ☑ None, ☐ Ice, ☐ Blue Ice, ☐ Dry Ice
☑ None, ☐ $HNO_3$, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$
☐ Other (Specify):

| | Yes | No* | N/A | Note or Comment |
|---|---|---|---|---|
| 1. Are the COCs Correct? | ✔ | | | |
| 2. Are Sample labels legible & indelible ink? | ✔ | | | |
| 3. Do samples match the COC? | ✔ | | | |
| 4. Are the required analyses clear? | ✔ | | | |
| 5. Is there enough samples for required analysis? | ✔ | | | |
| 6. Does cooler or samples have custody seal(s)? | | | ✔ | |
| 7. Are sample containers intact and in good condition? | ✔ | | | |
| 8. Are samples preserved? | | | ✔ | |
| 9. Are samples preserved properly for the intended analysis? | | | ✔ | |
| 10. Are the VOAs free of headspace? See footnote. | | | ✔ | |
| 11. Are the jars free of headspace? | | | ✔ | |
| 12. Are there any samples with short hold times? | | ✔ | | |

* = see note below. N/A = Not Applicable

***PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.***

◯ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.

# METALS

SAMPLE DATA

# SAMPLE DATA
# METALS

# FORM I
# ANALYSIS DATA SHEET
E1291-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | BFH0012-01 |
| Sampled: | 07/31/24 11:38 | | |
| % Solids: | 0.00 | | |

| Analyte | Concentration (mg/kg) | PQL | MDL | DF | Q | Batch | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.98 | 0.794 | 1 | | B4H0051 | 08/05/24 16:55 | EPA 6010B |
| Arsenic | 1.80 | 3.96 | 1.66 | 1 | J | B4H0051 | 08/05/24 16:55 | EPA 6010B |
| Cadmium | ND | 1.98 | 0.331 | 1 | | B4H0051 | 08/05/24 16:55 | EPA 6010B |
| Copper | 23.3 | 3.96 | 2.19 | 1 | | B4H0051 | 08/05/24 16:55 | EPA 6010B |
| Lead | 88.1 | 1.98 | 0.304 | 1 | | B4H0051 | 08/05/24 16:55 | EPA 6010B |
| Zinc | 143 | 3.96 | 1.53 | 1 | | B4H0051 | 08/05/24 16:55 | EPA 6010B |

# FORM I
# ANALYSIS DATA SHEET
E1291-WC-A1A2A3

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | BFH0012-02 |
| Sampled: | 07/31/24 11:43 | | |
| % Solids: | 0.00 | | |

| Analyte | Concentration (mg/kg) | PQL | MDL | DF | Q | Batch | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 1.98 | 0.794 | 1 | | B4H0051 | 08/05/24 16:59 | EPA 6010B |
| Arsenic | ND | 3.96 | 1.66 | 1 | | B4H0051 | 08/05/24 16:59 | EPA 6010B |
| Cadmium | ND | 1.98 | 0.331 | 1 | | B4H0051 | 08/05/24 16:59 | EPA 6010B |
| Copper | 27.1 | 3.96 | 2.19 | 1 | | B4H0051 | 08/05/24 16:59 | EPA 6010B |
| Lead | 113 | 1.98 | 0.304 | 1 | | B4H0051 | 08/05/24 16:59 | EPA 6010B |
| Zinc | 174 | 3.96 | 1.53 | 1 | | B4H0051 | 08/05/24 16:59 | EPA 6010B |

# PREPARATION BATCH SUMMARY

## EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFH0012 |
| Client: | | | | Project: | 684735 |
| Batch: | B4H0051 | Batch Matrix: | Soil | Preparation: | 3050B |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. ml |
|---|---|---|---|---|
| Blank | B4H0051-BLK1 | 08/02/24 07:59 | 1.00 | 50.00 |
| LCS | B4H0051-BS1 | 08/02/24 07:59 | 1.00 | 50.00 |
| LCS Dup | B4H0051-BSD1 | 08/02/24 07:59 | 1.00 | 50.00 |
| Matrix Spike | B4H0051-MS1 | 08/02/24 07:59 | 1.00 | 50.00 |
| Matrix Spike Dup | B4H0051-MSD1 | 08/02/24 07:59 | 1.01 | 50.00 |
| E1291-WC-A1A2 | BFH0012-01 | 08/02/24 07:59 | 1.01 | 50.00 |
| E1291-WC-A1A2A3 | BFH0012-02 | 08/02/24 07:59 | 1.01 | 50.00 |

# PREPARATION BENCH SHEET

B4H0051

**AETL**

**Printed: 8/6/2024 6:27:59PM**

**Matrix: Soil** **Prepared using: METALS - 3050B** **(No Surrogate)**

| Lab Number | Analysis | Prepared | Initial (g) | Final (ml) | Spike ID | Source ID | ul Spike | ul Surrogate | Client | Extraction Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| B4H0051-BLK1 | QC | 08/02/2024 07:59 | 1 | 50 | | | | | | |
| B4H0051-BS1 | QC | 08/02/2024 07:59 | 1 | 50 | BE42111 | | 50000 | | | |
| B4H0051-BSD1 | QC | 08/02/2024 07:59 | 1 | 50 | BE42111 | | 50000 | | | |
| B4H0051-DUP1 | QC | 08/02/2024 07:59 | 1 | 50 | | BFH0008-01 | | | | |
| B4H0051-MS1 | QC | 08/02/2024 07:59 | 1 | 50 | BE42111 | BFH0008-01 | 50000 | | | |
| B4H0051-MSD1 | QC | 08/02/2024 07:59 | 1.01 | 50 | BE42111 | BFH0008-01 | 50000 | | | |
| BFH0008-01 | zzm_6010B_6 Metals | 08/02/2024 07:59 | 1 | 50 | | | | | Parsons | |
| BFH0008-02 | zzm_6010B_6 Metals | 08/02/2024 07:59 | 1.01 | 50 | | | | | Parsons | |
| BFH0012-01 | zzm_6010B_6 Metals | 08/02/2024 07:59 | 1.01 | 50 | | | | | Parsons | |
| BFH0012-02 | zzm_6010B_6 Metals | 08/02/2024 07:59 | 1.01 | 50 | | | | | Parsons | |
| BFH0014-01 | zzm_6010B_6 Metals | 08/02/2024 07:59 | 1.01 | 50 | | | | | Parsons | |
| BFH0014-02 | zzm_6010B_6 Metals | 08/02/2024 07:59 | 1.01 | 50 | | | | | Parsons | |

Pipette/Tip: 544461197/B107005
5Oml tube: MP3971
HOTBLOCK: C
THERMOMETER: 930720
UNCOR TEMP: 96 C
COR TEMP: 97 C
DIGESTION STARTED: 09:00 hs
TIME END: 12:00 hrs

iking Witnessed By — 8/2/24 Date

Preparation Reviewed By — 8/2/24 Date

Extracts Received By — 8/2/24 Date



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# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFH0012 |
| Client: | | | Project: | 684735 | |
| Matrix: | Soil | Laboratory ID: | B4H0051-BLK1 | File ID: | 08052024R.csv-052 |
| Sampled: | | Prepared: | 08/02/24 07:59 | Analyzed: | 08/05/24 16:24 |
| Solids: | | Preparation: | 3050B | Dilution: | 1 |
| Batch: | B4H0051 | Sequence: | S4H0004 | Calibration: | 4H06001 |
| Column: | 1 | | | Instrument: | OPTIMA8300 |

| ANALYTE | CONC. (mg/kg) | MDL | RL | Q |
|---|---|---|---|---|
| Antimony | ND | 0.802 | 2.00 | |
| Arsenic | ND | 1.68 | 4.00 | |
| Cadmium | ND | 0.334 | 2.00 | |
| Copper | ND | 2.21 | 4.00 | |
| Lead | ND | 0.307 | 2.00 | |
| Zinc | ND | 1.54 | 4.00 | |

# LCS / LCS DUPLICATE RECOVERY

EPA 6010B

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Preparation: | 3050B |
| Batch: | B4H0051 | Laboratory ID: | B4H0051-BS1 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (mg/kg) | LCS CONCENTRATION (mg/kg) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Antimony | 100 | 86.9 | 86.9 | 80 - 120 |
| Arsenic | 100 | 82.9 | 82.9 | 80 - 120 |
| Cadmium | 100 | 90.4 | 90.4 | 80 - 120 |
| Copper | 100 | 91.2 | 91.2 | 80 - 120 |
| Lead | 100 | 111 | 111 | 80 - 120 |
| Zinc | 100 | 90.4 | 90.4 | 80 - 120 |

| ANALYTE | SPIKE ADDED (mg/kg) | LCSD CONCENTRATION (mg/kg) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Antimony | 100 | 88.1 | 88.1 | 1.32 | 15 | 80 - 120 |
| Arsenic | 100 | 82.4 | 82.4 | 0.618 | 15 | 80 - 120 |
| Cadmium | 100 | 90.5 | 90.5 | 0.175 | 15 | 80 - 120 |
| Copper | 100 | 91.4 | 91.4 | 0.241 | 15 | 80 - 120 |
| Lead | 100 | 112 | 112 | 0.968 | 15 | 80 - 120 |
| Zinc | 100 | 91.3 | 91.3 | 1.01 | 15 | 80 - 120 |

# DUPLICATES

Laboratory:

Work Order:

Client:

Project:

Matrix:

Laboratory ID:

Batch:

Initial/Final:

Preparation:

Analysis:

% Solids:

| ANALYTE | SAMPLE CONC. | DUPLICATE CONC. | RPD % | Q | CONTROL LIMIT |
|---|---|---|---|---|---|

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

## Matrix Spike

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Analysis: | EPA 6010B |
| Batch: | B4H0051 | Preparation: | 3050B |
| % Solids: | | Laboratory ID: | B4H0051-MS1 |
| Column: | | Sample Lab ID: | BFH0008-01 |

| ANALYTE | SPIKE ADDED (mg/kg) | SAMPLE CONCENTRATION (mg/kg) | MS CONCENTRATION (mg/kg) | MS % REC. | | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Antimony | 100 | 0.881 | 26.3 M | 25.4 | * | 70 - 130 |
| Arsenic | 100 | ND | 77.3 | 77.3 | | 70 - 130 |
| Cadmium | 100 | ND | 82.8 | 82.8 | | 70 - 130 |
| Copper | 100 | 27.3 | 123 | 95.6 | | 70 - 130 |
| Lead | 100 | 98.6 | 194 | 95.7 | | 70 - 130 |
| Zinc | 100 | 131 | 222 | 91.0 | | 70 - 130 |

| ANALYTE | SPIKE ADDED (mg/kg) | MSD CONCENTRATION (mg/kg) | MSD % REC. # | | % RPD | | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|---|---|
| Antimony | 99.0 | 28.5 M | 27.9 | * | 7.85 | * | 15 | 70 - 130 |
| Arsenic | 99.0 | 69.7 | 70.4 | | 10.3 | | 15 | 70 - 130 |
| Cadmium | 99.0 | 78.6 | 79.4 | | 5.18 | | 15 | 70 - 130 |
| Copper | 99.0 | 120 | 93.9 | | 2.12 | | 15 | 70 - 130 |
| Lead | 99.0 | 204 | 107 | | 5.10 | | 15 | 70 - 130 |
| Zinc | 99.0 | 225 | 94.3 | | 1.06 | | 15 | 70 - 130 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFH0012 |
| Client: | | Project: | 684735 |
| Sequence: | S4H0004 | Instrument: | OPTIMA8300 |
| Calibration: | 4H06001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0004-IBL1 | 08052024R.csv-001 | 08/05/24 09:53 |
| Cal Standard | S4H0004-CAL1 | 08052024R.csv-002 | 08/05/24 09:55 |
| Cal Standard | S4H0004-CAL2 | 08052024R.csv-003 | 08/05/24 09:59 |
| Cal Standard | S4H0004-CAL3 | 08052024R.csv-004 | 08/05/24 10:04 |
| Cal Standard | S4H0004-CAL4 | 08052024R.csv-005 | 08/05/24 10:07 |
| Cal Standard | S4H0004-CAL5 | 08052024R.csv-006 | 08/05/24 10:11 |
| Cal Standard | S4H0004-CAL6 | 08052024R.csv-007 | 08/05/24 10:14 |
| Initial Cal Check | S4H0004-ICV1 | 08052024R.csv-009 | 08/05/24 10:48 |
| Initial Cal Blank | S4H0004-ICB1 | 08052024R.csv-010 | 08/05/24 10:52 |
| Interference Check A | S4H0004-IFA1 | 08052024R.csv-011 | 08/05/24 10:57 |
| Interference Check B | S4H0004-IFB1 | 08052024R.csv-012 | 08/05/24 11:01 |
| Calibration Check | S4H0004-CCV1 | 08052024R.csv-013 | 08/05/24 11:11 |
| Calibration Blank | S4H0004-CCB1 | 08052024R.csv-014 | 08/05/24 11:14 |
| Calibration Check | S4H0004-CCV2 | 08052024R.csv-050 | 08/05/24 16:15 |
| Calibration Blank | S4H0004-CCB2 | 08052024R.csv-051 | 08/05/24 16:19 |
| Blank | B4H0051-BLK1 | 08052024R.csv-052 | 08/05/24 16:24 |
| LCS | B4H0051-BS1 | 08052024R.csv-053 | 08/05/24 16:27 |
| LCS Dup | B4H0051-BSD1 | 08052024R.csv-054 | 08/05/24 16:31 |
| Matrix Spike | B4H0051-MS1 | 08052024R.csv-057 | 08/05/24 16:47 |
| Matrix Spike Dup | B4H0051-MSD1 | 08052024R.csv-058 | 08/05/24 16:51 |
| E1291-WC-A1A2 | BFH0012-01 | 08052024R.csv-060 | 08/05/24 16:55 |
| E1291-WC-A1A2A3 | BFH0012-02 | 08052024R.csv-061 | 08/05/24 16:59 |
| Calibration Check | S4H0004-CCV3 | 08052024R.csv-062 | 08/05/24 17:04 |
| Calibration Blank | S4H0004-CCB3 | 08052024R.csv-063 | 08/05/24 17:09 |
| Calibration Check | S4H0004-CCV4 | 08052024R.csv-066 | 08/05/24 17:19 |
| Calibration Blank | S4H0004-CCB4 | 08052024R.csv-067 | 08/05/24 17:22 |

# INITIAL CALIBRATION VERIFICATION

## EPA 6010B

**Laboratory:** AETL
**SDG:** BFH0012
**Client:**
**Project:** 684735
**Calibration:** 4H06001
**Laboratory ID:** S4H0004-ICV1
**Sequence:** S4H0004
**Standard ID:** BE42111

| ANALYTE | EXPECTED (mg/L) | FOUND (mg/L) | % DRIFT | QC LIMIT |
|---|---|---|---|---|
| Antimony | 2.00 | 2.07 | 3.6 | 10.00 |
| Arsenic | 2.00 | 1.95 | -2.5 | 10.00 |
| Cadmium | 2.00 | 2.17 | 8.7 | 10.00 |
| Copper | 2.00 | 2.19 | 9.4 | 10.00 |
| Lead | 2.00 | 2.19 | 9.3 | 10.00 |
| Zinc | 2.00 | 2.09 | 4.4 | 10.00 |

* Values outside of QC limits

# INITIAL AND CONTINUING CALIBRATION CHECK

## EPA 6010B

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFH0012
Project: 684735
Calibration: 4H06001
Sequence: S4H0004

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4H0004-ICV1 | Antimony | 2.00 | 2.07 | 104 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 1.95 | 97.5 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 2.17 | 109 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 2.19 | 109 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 2.19 | 109 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 2.09 | 104 | mg/L | +/- 10.00% |
| S4H0004-CCV1 | Antimony | 2.00 | 1.87 | 93.3 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 1.84 | 92.1 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 2.14 | 107 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 2.19 | 109 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 2.16 | 108 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 2.04 | 102 | mg/L | +/- 10.00% |
| S4H0004-CCV2 | Antimony | 2.00 | 2.12 | 106 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 2.05 | 102 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 1.99 | 99.4 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 2.06 | 103 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 2.12 | 106 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 1.95 | 97.5 | mg/L | +/- 10.00% |
| S4H0004-CCV3 | Antimony | 2.00 | 1.88 | 94.0 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 1.91 | 95.5 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 1.92 | 96.1 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 2.03 | 102 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 2.15 | 108 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 1.92 | 95.8 | mg/L | +/- 10.00% |
| S4H0004-CCV4 | Antimony | 2.00 | 1.82 | 91.0 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 1.81 | 90.4 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 1.89 | 94.3 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 2.01 | 101 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 2.11 | 105 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 1.86 | 93.2 | mg/L | +/- 10.00% |

# Blank Results

## EPA 6010B

Laboratory: AETL
Work Order: BFH0012
Client:
Project: 684735

| Lab Sample ID | Analyte | Found | Units | RL |
|---|---|---|---|---|
| S4H0004-ICB1 | Antimony | 0.0197 | mg/L | 0.0400 |
| | Arsenic | 0.0295 | mg/L | 0.0800 |
| | Cadmium | 0.0000725 | mg/L | 0.0400 |
| | Copper | 0.0122 | mg/L | 0.0800 |
| | Lead | 0.00364 | mg/L | 0.0400 |
| | Zinc | 0.00233 | mg/L | 0.0800 |
| S4H0004-CCB1 | Antimony | -0.00592 | mg/L | 0.0400 |
| | Arsenic | 0.00858 | mg/L | 0.0800 |
| | Cadmium | 0.000869 | mg/L | 0.0400 |
| | Copper | 0.00994 | mg/L | 0.0800 |
| | Lead | 0.00532 | mg/L | 0.0400 |
| | Zinc | 0.00234 | mg/L | 0.0800 |
| S4H0004-CCB2 | Antimony | -0.00685 | mg/L | 0.0400 |
| | Arsenic | 0.0182 | mg/L | 0.0800 |
| | Cadmium | 0.00107 | mg/L | 0.0400 |
| | Copper | 0.00303 | mg/L | 0.0800 |
| | Lead | -0.00133 | mg/L | 0.0400 |
| | Zinc | 0.00205 | mg/L | 0.0800 |
| S4H0004-CCB3 | Antimony | 0.0119 | mg/L | 0.0400 |
| | Arsenic | 0.00360 | mg/L | 0.0800 |
| | Cadmium | 0.00137 | mg/L | 0.0400 |
| | Copper | 0.00540 | mg/L | 0.0800 |
| | Lead | -0.00934 | mg/L | 0.0400 |
| | Zinc | 0.00607 | mg/L | 0.0800 |
| S4H0004-CCB4 | Antimony | -0.0100 | mg/L | 0.0400 |
| | Arsenic | -0.0107 | mg/L | 0.0800 |
| | Cadmium | 0.000554 | mg/L | 0.0400 |
| | Copper | 0.00224 | mg/L | 0.0800 |
| | Lead | -0.0155 | mg/L | 0.0400 |
| | Zinc | 0.00664 | mg/L | 0.0800 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B

Laboratory: AETL
Work Order: BFH0012
Client:
Project: 684735
Instrument ID: OPTIMA8300
Calibration: 4H06001
Sequence: S4H0004

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0004-IFA1 | Antimony | 0.00 | 0.03824 | mg/L | -100 | ±20.00 % | 8/5/24 10:57 |
| | Arsenic | 0.00 | -0.02726 | mg/L | -100 | ±20.00 % | 8/5/24 10:57 |
| | Cadmium | 0.00 | -0.02178 | mg/L | -100 | ±20.00 % | 8/5/24 10:57 |
| | Copper | 0.00 | -0.00439 | mg/L | -100 | ±20.00 % | 8/5/24 10:57 |
| | Lead | 0.00 | 0.01131 | mg/L | -100 | ±20.00 % | 8/5/24 10:57 |
| | Zinc | 0.00 | -0.01983 | mg/L | -100 | ±20.00 % | 8/5/24 10:57 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B

Laboratory: AETL
Work Order: BFH0012
Client:
Project: 684735
Instrument ID: OPTIMA8300
Calibration: 4H06001
Sequence: S4H0004

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0004-IFB1 | Antimony | 0.500 | 0.47085 | mg/L | -6 | ±20.00 % | 8/5/24 11:01 |
| | Arsenic | 0.500 | 0.48372 | mg/L | -3 | ±20.00 % | 8/5/24 11:01 |
| | Cadmium | 0.500 | 0.50760 | mg/L | 2 | ±20.00 % | 8/5/24 11:01 |
| | Copper | 0.500 | 0.54746 | mg/L | 9 | ±20.00 % | 8/5/24 11:01 |
| | Lead | 0.500 | 0.53137 | mg/L | 6 | ±20.00 % | 8/5/24 11:01 |
| | Zinc | 0.500 | 0.50134 | mg/L | 0 | ±20.00 % | 8/5/24 11:01 |

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com
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August 21, 2024

AETL Job No: BFH0012 Rev. 01
Received Date: 07/31/2024
Project Number: 684735

Parsons
100 West Walnut Street
Pasadena, CA 91124
Telephone: (626) 344-6565

Attention: Pete Shair

Project Name: DTSC Exide Residential

Site: E1291
5300 E. Washington Blvd.
Commerce, CA 90040

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Laboratory Director

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
*No duplication of this report is allowed, except in its entirety without written approval of the laboratory.*

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Revised and Reissued

Rev. 01

| | | | | | |
|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFH0012 | Site: | E1291 | |
| | Project Number: | 684735 | | 5300 E. Washington Blvd. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Commerce, CA 90040 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/21/2024 12:32 | |

# Data Validatable Report

## Work Order Case Narrative

## Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.

This report contains additional data to the report previously submitted. The analyses added are STLC-6010B-Pb and TCLP-6010B-Pb and were added per client request on 8/9/24. This document is the official version and is in addition to the earlier report.

## Samples in this Report

| Lab ID | Sample | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| BFH0012-01 | E1291-WC-A1A2 | Soil | 07/31/2024 11:38 | 07/31/2024 |
| BFH0012-02 | E1291-WC-A1A2A3 | Soil | 07/31/2024 11:43 | 07/31/2024 |

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
*No duplication of this report is allowed, except in its entirety.*

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
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Revised and Reissued

Rev. 01

| | | | | | |
|---|---|---|---|---|---|
| Parsons | | AETL Job Number: | BFH0012 | Site: | E1291 |
| | | Project Number: | 684735 | | 5300 E. Washington Blvd. |
| 100 West Walnut Street | | Attention: | Pete Shair | | Commerce, CA 90040 |
| Pasadena, CA 91124 | | Project Name: | DTSC Exide Residential | Reported: | 08/21/2024 12:32 |

## Containers Received

| Lab ID | Container Type | Count | Preservation Check |
|---|---|---|---|
| BFH0012-01 | | | |
| | Glass Jar - 8 oz | 1 | |
| BFH0012-02 | | | |
| | Glass Jar - 8 oz | 1 | |

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
*No duplication of this report is allowed, except in its entirety.*

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Revised and Reissued

Rev. 01

| | | | | | |
|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFH0012 | Site: | E1291 | |
| | Project Number: | 684735 | | 5300 E. Washington Blvd. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Commerce, CA 90040 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/21/2024 12:32 | |

## Analytical Results

**Client ID:** E1291-WC-A1A2

**Lab ID:** BFH0012-01 (Soil) **Sampled:** 07/31/24 11:38

| Analyte | Result | Qualifier | Dilution | MDL | RL | Units | Prepared Date/Time | Analyzed Date/Time | Batch | Analyst Initials | Prep. Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **STLC Analysis** | | | | | | | | | | | |
| **Method: EPA 6010B-STLC** | | | | | | | | | | | |
| **Lead** | **3.87** | D | 2 | 0.328 | 0.800 | mg/L | 08/14/24 10:14 | 08/14/24 16:36 | B4H0239 | LE | STLC- ICP |

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|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFH0012 | Site: | E1291 | |
| | Project Number: | 684735 | | 5300 E. Washington Blvd. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Commerce, CA 90040 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/21/2024 12:32 | |

## Analytical Results

**Client ID:** **E1291-WC-A1A2A3**
**Lab ID:** **BFH0012-02 (Soil)** **Sampled:** **07/31/24 11:43**

| Analyte | Result | Qualifier | Dilution | MDL | RL | Units | Prepared Date/Time | Analyzed Date/Time | Batch | Analyst Initials | Prep. Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **STLC Analysis** | | | | | | | | | | | |
| **Method: EPA 6010B-STLC** | | | | | | | | | | | |
| **Lead** | **4.22** | D | 2 | 0.328 | 0.800 | mg/L | 08/14/24 10:14 | 08/14/24 16:39 | B4H0239 | LE | STLC- ICP |
| **TCLP Analysis** | | | | | | | | | | | |
| **Method: EPA 6010B-1311 TCLP** | | | | | | | | | | | |
| Lead | ND | | 1 | 0.0461 | 0.200 | mg/L | 08/16/24 10:00 | 08/20/24 13:00 | B4H0269 | LE | 1311- ICP |

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| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/21/2024 12:32 | |

## Quality Control

### STLC Analysis

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Method: EPA 6010B-STLC*** | | | | | | | | | | |
| ***Batch: B4H0239 - STLC- ICP*** | | | | | | | | | | |
| **Blank (B4H0239-BLK1)** | | | | | Prepared & Analyzed: 08/14/2024 15:51 | | | | | |
| Lead | ND D | 0.800 | 0.328 | mg/L | | | | | | |
| **LCS (B4H0239-BS1)** | | | | | Prepared & Analyzed: 08/14/2024 15:55 | | | | | |
| Lead | 18.2 D | | 0.328 | mg/L | 20.0 | | 90.9 | 80-120 | | |
| **LCS Dup (B4H0239-BSD1)** | | | | | Prepared & Analyzed: 08/14/2024 15:58 | | | | | |
| Lead | 19.3 D | | 0.328 | mg/L | 20.0 | | 96.5 | 80-120 | 5.96 | 15 |
| **Duplicate (B4H0239-DUP1)** | **Source: BFG0296-01** | | | | Prepared & Analyzed: 08/14/2024 16:10 | | | | | |
| Lead | ND D | | 1.64 | mg/L | | ND | | | | 15 |
| **Matrix Spike (B4H0239-MS1)** | **Source: BFG0296-01** | | | | Prepared & Analyzed: 08/14/2024 16:13 | | | | | |
| Lead | 15.5 | | 1.64 | mg/L | 20.0 | ND | 77.3 | 70-130 | | |
| **Matrix Spike Dup (B4H0239-MSD1)** | **Source: BFG0296-01** | | | | Prepared & Analyzed: 08/14/2024 16:16 | | | | | |
| Lead | 17.0 | | 1.64 | mg/L | 20.0 | ND | 85.0 | 70-130 | 9.50 | 15 |
| ***Method: EPA 6010B-STLC*** | | | | | | | | | | |
| ***Batch: S4H0010 - B4H0134*** | | | | | | | | | | |
| **Instrument Blank (S4H0010-IBL1)** | | | | | Prepared & Analyzed: 08/14/2024 08:01 | | | | | |
| Lead | 0.00 | | | mg/L | 0.00 | | | | | |
| **Interference Check A (S4H0010-IFA1)** | | | | | Prepared & Analyzed: 08/14/2024 09:40 | | | | | |
| Lead | 0.0234 | | | mg/L | 0.00 | | | 80-120 | | |
| **Interference Check B (S4H0010-IFB1)** | | | | | Prepared & Analyzed: 08/14/2024 09:50 | | | | | |
| Lead | 0.492 | | | mg/L | 0.500 | | 98.4 | 80-120 | | |

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|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFH0012 | Site: | E1291 | |
| | Project Number: | 684735 | | 5300 E. Washington Blvd. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Commerce, CA 90040 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/21/2024 12:32 | |

## Quality Control
**(Continued)**

### TCLP Analysis

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Method: EPA 6010B-1311 TCLP*** | | | | | | | | | | |
| ***Batch: B4H0269 - 1311- ICP*** | | | | | | | | | | |
| **Blank (B4H0269-BLK1)** | | | | | Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 11:56 | | | | | |
| Lead | ND | 0.200 | 0.0461 | mg/L | | | | | | |
| **LCS (B4H0269-BS1)** | | | | | Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 11:59 | | | | | |
| Lead | 10.4 | | 0.0461 | mg/L | 10.0 | | 104 | 80-120 | | |
| **LCS Dup (B4H0269-BSD1)** | | | | | Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 12:02 | | | | | |
| Lead | 10.2 | | 0.0461 | mg/L | 10.0 | | 102 | 80-120 | 1.99 | 15 |
| **Duplicate (B4H0269-DUP1)** | **Source: BFH0144-02** | | | | Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 12:08 | | | | | |
| Lead | ND | | 0.0461 | mg/L | | ND | | | | 15 |
| **Matrix Spike (B4H0269-MS1)** | **Source: BFH0144-02** | | | | Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 12:12 | | | | | |
| Lead | 9.72 | | 0.0461 | mg/L | 10.0 | ND | 97.2 | 70-130 | | |
| **Matrix Spike Dup (B4H0269-MSD1)** | **Source: BFH0144-02** | | | | Prepared: 08/16/2024 10:00 Analyzed: 08/20/2024 12:15 | | | | | |
| Lead | 9.64 | | 0.0461 | mg/L | 10.0 | ND | 96.4 | 70-130 | 0.788 | 15 |
| ***Method: EPA 6010B-1311 TCLP*** | | | | | | | | | | |
| ***Batch: S4H0014 - B4H0269*** | | | | | | | | | | |
| **Instrument Blank (S4H0014-IBL1)** | | | | | Prepared & Analyzed: 08/20/2024 09:52 | | | | | |
| Lead | 0.00 | | | mg/L | 0.00 | | | | | |
| **Interference Check A (S4H0014-IFA1)** | | | | | Prepared & Analyzed: 08/20/2024 10:32 | | | | | |
| Lead | 0.0163 | | | mg/L | 0.00 | | | 0-200 | | |
| **Interference Check B (S4H0014-IFB1)** | | | | | Prepared & Analyzed: 08/20/2024 10:35 | | | | | |
| Lead | 0.490 | | | mg/L | 0.500 | | 97.9 | 0-200 | | |

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| Parsons | | AETL Job Number: | BFH0012 | Site: | E1291 |
| | | Project Number: | 684735 | | 5300 E. Washington Blvd. |
| 100 West Walnut Street | | Attention: | Pete Shair | | Commerce, CA 90040 |
| Pasadena, CA 91124 | | Project Name: | DTSC Exide Residential | Reported: | 08/21/2024 12:32 |

## Qualifiers and Definitions

| Item | Qualifiers |
|---|---|
| D | Sample was analyzed under dilution due to matrix interference. |

| Item | Definitions |
|---|---|
| % wt | Percent Weight |
| %REC | Percent Recovery |
| * | Value outside of control limits. |
| °F | Degrees Fahrenheit |
| AETL | American Environmental Testing Laboratory, LLC |
| C | Carbon |
| CARB | California Air Resources Board |
| COC | Chain of Custody |
| Cresols | 3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol. |
| CRM | Certified Reference Material |
| DI | Deionized Water |
| DPD | Department of Planning and Development |
| DRO | Diesel Range Organics |
| Dup | Duplicate |
| ELAP | Environmental Laboratory Accreditation Program |
| EPA | Environmental Protection Agency |
| GC/FID | Gas Chromatography Flame Ionization Detection |
| GRO | Gasoline Range Organics |
| HC | Hydrocarbon |
| HEM | Hexane Extractable Material |
| HMU | Hazardous Material Unit |
| ICP/MS | Inductively Coupled Plasma Mass Spectrometry |
| LACSD | Los Angeles County Sanitation Districts |
| LCS | Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes. |
| LCSD | Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample. |
| LOQ | Limit of Quantitation |
| MDL | Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound. |
| mg/kg | Miligrams per Kilogram |
| mg/L | Miligrams per Liter |
| ml/L/hr | Milliliter per Liter per Hour |
| MRO | Motor oil Range Organics |

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| | Project Number: | 684735 | | 5300 E. Washington Blvd. |
| 100 West Walnut Street | Attention: | Pete Shair | | Commerce, CA 90040 |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/21/2024 12:32 |

| | |
|---|---|
| MS | Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results. |
| MSD | Matrix Spike Duplicate - A replicate of Matrix Spike Sample. |
| N | No |
| ND | Analyte is not detected below Method Detection Limit. |
| ng/m3 | Nanograms per cubic meter |
| NIOSH | National Institute for Occupational Safety and Health |
| nL/L | Nanoliters per Liter |
| NTU | Nephelometric Turbidity Units |
| Ohm-cm | Ohms per centimeter |
| ORO | Oil Range Organics |
| OSHA | Occupational Safety and Health Administration |
| PCB | Polychlorinated Biphenyl |
| ppb v | Parts per billion by volume |
| ppmC | Parts per million Carbon |
| PSU | Practical Salinity Unit |
| Q | Qualifier Column |
| RL | Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ. |
| RPD | Relative Percent Difference |
| SIM | Selective Ion Monitoring |
| SM | Standard Method |
| SPLP | Synthetic Precipitation Leaching Procedure |
| STLC | Soluble Threshold Limit Concentration |
| TCLP | Toxicity Characteristic Leaching Procedure |
| TPH | Total Petroleum Hydrocarbons |
| TTLC | Total Threshold Limit Concentrations |
| ug/kg | Micrograms per Kilogram |
| ug/L | Micrograms per Liter |
| ug/m3 | Micrograms per cubic meter |
| WET | Waste Extraction Test |
| Y | Yes |
| ZHE | Zero Headspace Extraction |

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# WORK ORDER

## BFH0012

Printed: 08/21/2024 12:32 pm

**Project:** **Exide Initial 200 Single Cleanup Unit (SCU)**
**Project Number:** **684735**
**Project Manager:** **Hailley Coleman**
**PO Number:**

**Report To:**

Parsons
Pete Shair
100 West Walnut Street
Pasadena, CA 91124
Phone: (626) 344-6565
Fax: (626)440-6200

**Invoice To:**

Parsons
Sarah King
100 W. Walnut St.
Pasadena, CA 91124
Phone: (626)440-6161
Fax: (626)440-6200

Date Received: 07/31/2024 04:30 PM
Date Due: 08/16/2024 (12.00 day TAT)

Logged In By: Greta Giragoosian
Received By: Greta Giragoosian

| Analysis | Comments |
|---|---|
| **BFH0012-01 E1291-WC-A1A2 [Soil] Sampled 7/31/2024 11:38:00AM** | |
| STLC-6010B-Pb | NONE |
| STLC-Extraction-METALS | NONE |
| **BFH0012-02 E1291-WC-A1A2A3 [Soil] Sampled 7/31/2024 11:43:00AM** | |
| STLC-6010B-Pb | NONE |
| STLC-Extraction-METALS | NONE |
| TCLP-6010B-Pb | NONE |
| TCLP-Extraction-METALS | NONE |

**BFH0012** **Sample Receipt Log**

Default Cooler

Samples Received at: **17.5°C**

| | | | |
|---|---|---|---|
| Are the COCs Correct | Yes | Received on Ice | No |
| Labels Legible | Yes | | |
| COC/Labels Agree | Yes | | |
| Sufficient Sample Volume | Yes | | |
| Sample Labels intact | Yes | | |
| Containers In Good Condition | Yes | | |
| Samples Preserved Properly | Yes | | |
| Sufficient Holding Time for all Tests | Yes | | |

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## CHAIN-OF-CUSTODY RECORD

AETL JOB No. BFH0012 Page 1 of 1

| | |
|---|---|
| Company: Parsons | Project Manager: Pete Shair / Linda McGlochlin |
| Company Address: 100 W. Walnut St, Pasadena, CA 91124 | Email: tom.blaney@parsons.com |
| Project Name: DTSC Exide Residential | **Project # 684735** |
| Site Property ID: E1291 | **PO #** |
| Site Address: 5300 E Washington Blvd, Commerce CA 90040 | |
| Report To: tom.blaney@parsons.com<br>Report & EDD To:<br>carla.rodman@parsons.com; jennifer.trimm@parsons.com;<br>julie.rieth@parsons.com | |

BFH0012-01
BFH0012-02

| Location ID | Start Depth (in) | End Depth (in) | Field Sample ID MUST BE UNIQUE | Sample Date | Sample Time | Sample Purpose N/FD | Sample Matrix | Sample Type Comp/Grab | # of Cont. | Field Filtered (Y/N) | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | STLC-Pb | TCLP-Pb | 3/9/24 | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E1291-WC | 0 | 12 | E1291-WC-A1A2 | 7/31/24 | 1138 | N | Soil | C | 1 | N | X | X | X | | | |
| E1291-WC | 0 | 18 | E1291-WC-A1A2A3 | 7/31/24 | 1143 | N | Soil | C | 1 | N | X | X | X | X | | |

**Requested Due Date/TAT:** _____ Normal 5-Day _____ 72 hours _____ 48 hours _____ 24 hours

**Deliverable Requested:** EQuIS DTSC_Cleanup EDD
**Level III/IV PDF:** Level III

| | | | |
|---|---|---|---|
| Sampler(s) Name: | Company: | | |
| Relinquished By (signature): | | Relinquished By (signature): | Sample Receipt Comments: |
| Printed Name: Brenda B | Company: | Printed Name: Pat A | Company: |
| Date/Time: 7/31/24 1415 | | Date/Time: 7-31-24 1630 | |
| Received By (signature): | | Received By (signature): | |
| Printed Name: Pat A | Company: | Printed Name: Lorena Cisneros | Company: AETL |
| Date/Time: 7-31-24 1415 | | Date/Time: 07/31/24 1630 | |
| Shipment Method: | | Sample Tracking No: | Samples Intact : Yes ☐ No ☐ |

**Sample Type:** C = Composite; G = Grab **Sample Purpose:** N = Normal; FD = Field Duplicate **Soil Description:** BY = Backyard; FY = Front yard; SY = Side yard



Table of Contents

## Hailley Coleman

**From:** Nishka.Parikh@parsons.com
**Sent:** Friday, August 9, 2024 10:57 AM
**To:** Hailley Coleman
**Cc:** Tom.Blaney@parsons.com; Peter.Shair@parsons.com; Sandra.delasFuentes@parsons.us; Carla.Rodman@parsons.com
**Subject:** Need STLC/TCLP Analyses

**Follow Up Flag:** Follow up
**Flag Status:** Flagged

Sensitive

Hi Hailley,

Happy Friday!

Please run the following on a standard turnaround time:

1. C0227-WC-A1A2 (LAB REPORT BFH0008): STLC for lead
2. C0227-WC-A1A2A3 (LAB REPORT BFH0008): STLC for lead
3. E1291-WC-A1A2 (LAB REPORT BFH0012): STLC for lead
4. E1291-WC-A1A2A3 (LAB REPORT BFH0012): STLC and TCLP for lead
5. C0114-WC-A1A2 (LAB REPORT BFH0014): STLC for lead
6. C0114-WC-A1A2A3 (LAB REPORT BFH0014): STLC and TCLP for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# COOLER RECEIPT FORM

Client Name: Parsons

Project Name: DTSC Exide Residential Project No.: 684735

AETL Job Number: BFH0012

Date Received: 07/31/2024 Received by: Greta Giragoosian

Carrier: ☑ AETL Courier ☐ Client ☐ GSL ☐ FedEx ☐ UPS
☐Others:

**Samples were received in:** ☐ Cooler (_____) ☑ Other (Specify): Box

**Sample Container Temperature:** 17.5 °C IR Gun S/N: 51941911MV

**Type of sample containers:** VOA, Glass bottles, ✔Wide mouth jars, HDPE bottles, Metal sleeves, Acetate sleeves, 5035 Kit: AETL o r Client, Tedlar Bags, Summa Canister: 6L, 3L, 1L, Others (Specify): _____

**How are samples preserved:** ☑ None, ☐ Ice, ☐ Blue Ice, ☐ Dry Ice
☑ None, ☐ $HNO_3$, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$
☐ Other (Specify):

| | Yes | No* | N/A | Note or Comment |
|---|---|---|---|---|
| 1. Are the COCs Correct? | ✔ | | | |
| 2. Are Sample labels legible & indelible ink? | ✔ | | | |
| 3. Do samples match the COC? | ✔ | | | |
| 4. Are the required analyses clear? | ✔ | | | |
| 5. Is there enough samples for required analysis? | ✔ | | | |
| 6. Does cooler or samples have custody seal(s)? | | | ✔ | |
| 7. Are sample containers intact and in good condition? | ✔ | | | |
| 8. Are samples preserved? | | | ✔ | |
| 9. Are samples preserved properly for the intended analysis? | | | ✔ | |
| 10. Are the VOAs free of headspace? See footnote. | | | ✔ | |
| 11. Are the jars free of headspace? | | | ✔ | |
| 12. Are there any samples with short hold times? | | ✔ | | |

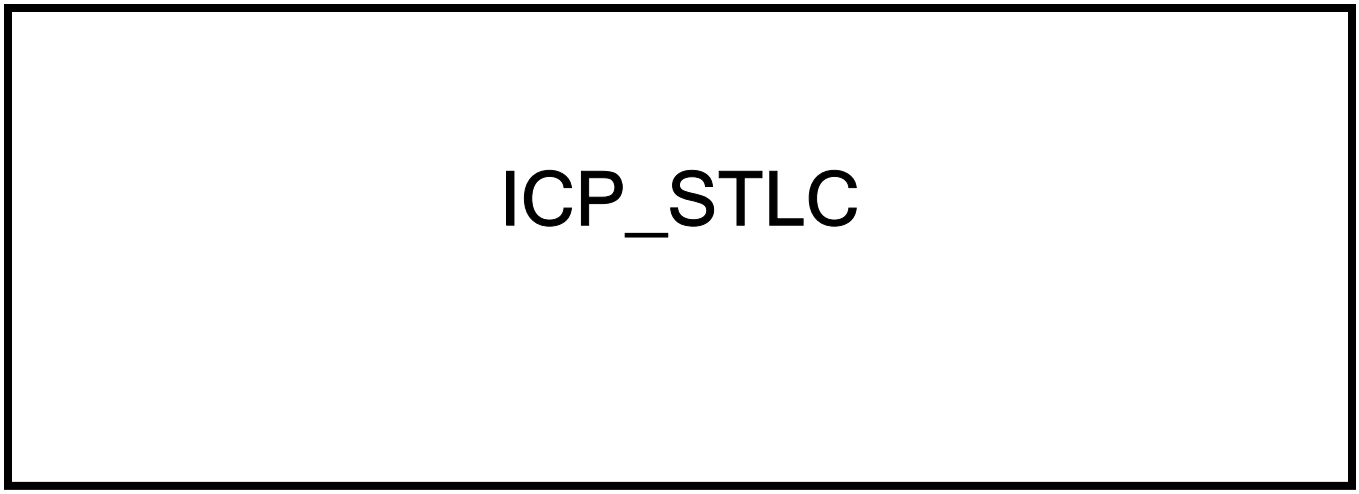
* = see note below. N/A = Not Applicable

***PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.***

◯ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

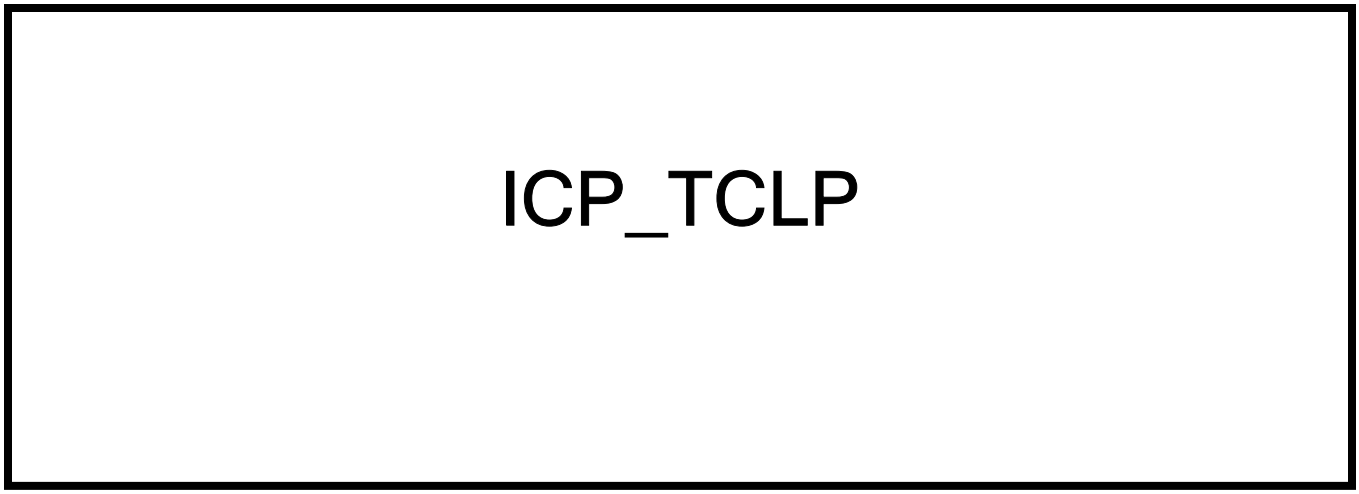
* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.


ICP_STLC

# PREPARATION BATCH SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFH0012 |
| Client: | Parsons | | | Project: | Exide Initial 200 Single Cleanup Unit (SCU) |
| Batch: | B4H0199 | Batch Matrix: | Soil | Preparation: | CA WET- STLC |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4H0199-BLK1 | 08/12/24 14:23 | 50.00 | 500 |
| E1291-WC-A1A2 | BFH0012-01 | 08/12/24 14:23 | 50.03 | 500 |
| E1291-WC-A1A2A3 | BFH0012-02 | 08/12/24 14:23 | 50.00 | 500 |


ICP_TCLP

# PREPARATION BATCH SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFH0012 |
| Client: | Parsons | | | Project: | Exide Initial 200 Single Cleanup Unit (SCU) |
| Batch: | B4H0238 | Batch Matrix: | Soil | Preparation: | 1311- Extraction |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4H0238-BLK1 | 08/14/24 10:09 | 100.00 | 2000 |
| E1291-WC-A1A2A3 | BFH0012-02 | 08/14/24 10:09 | 100.00 | 2000 |

# METALS

SAMPLE DATA

# SAMPLE DATA
# METALS

# FORM I
# ANALYSIS DATA SHEET

E1291-WC-A1A2A3

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | BFH0012-02 |
| Sampled: | 07/31/24 11:43 | | |
| % Solids: | 0.00 | | |

| Analyte | Concentration (mg/L) | PQL | MDL | DF | Q | Batch | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Lead | ND | 0.200 | 0.0461 | 1 | | B4H0269 | 08/20/24 13:00 | EPA 6010B-1311 TCLP |

# PREPARATION BATCH SUMMARY

## EPA 6010B-1311 TCLP

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFH0012 |
| Client: | | | | Project: | 684735 |
| Batch: | B4H0269 | Batch Matrix: | Soil | Preparation: | 1311- ICP |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4H0269-BLK1 | 08/16/24 10:00 | 10.00 | 50.00 |
| LCS | B4H0269-BS1 | 08/16/24 10:00 | 10.00 | 50.00 |
| LCS Dup | B4H0269-BSD1 | 08/16/24 10:00 | 10.00 | 50.00 |
| Duplicate | B4H0269-DUP1 | 08/16/24 10:00 | 10.00 | 50.00 |
| Matrix Spike | B4H0269-MS1 | 08/16/24 10:00 | 10.00 | 50.00 |
| Matrix Spike Dup | B4H0269-MSD1 | 08/16/24 10:00 | 10.00 | 50.00 |
| E1291-WC-A1A2A3 | BFH0012-02 | 08/16/24 10:00 | 10.00 | 50.00 |

## PREPARATION BENCH SHEET

B4H0238

**AETL**

**Printed: 8/21/2024 11:28:10AM**

**Matrix: Soil** **Prepared using: METALS - 1311- Extraction** **(No Surrogate)**

| Lab Number | Analysis | Prepared | Initial (g) | Final (ml) | Spike ID | Source ID | ul Spike | ul Surrogate | Client | Extraction Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| B4H0238-BLK1 | QC | 08/14/2024 10:09 | 100 | 2000 | | | | | | |
| BFH0012-02 | TCLP-Extraction-METALS | 08/14/2024 10:09 | 100 | 2000 | | | | | Parsons | |
| BFH0014-02 | TCLP-Extraction-METALS | 08/14/2024 10:09 | 100 | 2000 | | | | | Parsons | |
| BFH0120-01 | TCLP-Extraction-METALS | 08/14/2024 10:09 | 100 | 2000 | | | | | | |
| BFH0124-01 | TCLP-Extraction-METALS | 08/14/2024 10:09 | 50 | 1000 | | | | | | |
| BFH0125-01 | TCLP-Extraction-METALS | 08/14/2024 10:09 | 50 | 1000 | | | | | | |
| BFH0126-01 | TCLP-Extraction-METALS | 08/14/2024 10:09 | 50 | 1000 | | | | | | |
| BFH0144-02 | TCLP-Extraction-METALS | 08/14/2024 10:09 | 100.01 | 2000 | | | | | | |
| BFH0144-03 | TCLP-Extraction-METALS | 08/14/2024 10:09 | 100 | 2000 | | | | | | |
| BFH0144-04 | TCLP-Extraction-METALS | 08/14/2024 10:09 | 100.01 | 2000 | | | | | | |
| BFH0144-05 | TCLP-Extraction-METALS | 08/14/2024 10:09 | 100.03 | 2000 | | | | | | |

BALANCE A: C032821335
HEATER: BL-E110-1118
THERMOMETER: 2615
TUMBLER : S046SGBL0001
EXTRACTION ROOM THERMOMETER: 230175547
TIME STARTED TUMBLERING: 8/14/2024 15:00 hrs
TIME END TUMBLERING: 8/15/2024 09:00 hrs



---
iking Witnessed By Date

8/15/24
Preparation Reviewed By Date

8/15/24
Extracts Received By Date



Table of Contents

# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFH0012 |
| Client: | | | Project: | 684735 | |
| Matrix: | Soil | Laboratory ID: | B4H0269-BLK1 | File ID: | 08202024R.csv-033 |
| Sampled: | | Prepared: | 08/16/24 10:00 | Analyzed: | 08/20/24 11:56 |
| Solids: | | Preparation: | 1311- ICP | Dilution: | 1 |
| Batch: | B4H0269 | Sequence: | S4H0014 | Calibration: | 4H21001 |
| Column: | 1 | | | | |

Instrument: OPTIMA8300

| ANALYTE | CONC. (mg/L) | MDL | RL | Q |
|---|---|---|---|---|
| Lead | ND | 0.0461 | 0.200 | |

# LCS / LCS DUPLICATE RECOVERY

EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Preparation: | 1311- ICP |
| Batch: | B4H0269 | Laboratory ID: | B4H0269-BS1 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (mg/L) | LCS CONCENTRATION (mg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Lead | 10.0 | 10.4 | 104 | 80 - 120 |

| ANALYTE | SPIKE ADDED (mg/L) | LCSD CONCENTRATION (mg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 10.0 | 10.2 | 102 | 1.99 | 15 | 80 - 120 |

# DUPLICATES

## Duplicate

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | B4H0269-DUP1 |
| Batch: | B4H0269 | Initial/Final: | 10 mL / 50 mL |
| Preparation: | 1311- ICP | Analysis: | EPA 6010B-1311 TCLP |
| % Solids: | | | |

| ANALYTE | SAMPLE CONC. (mg/L) | DUPLICATE CONC. (mg/L) | RPD % | Q | CONTROL LIMIT |
|---|---|---|---|---|---|
| Lead | ND | ND | | | 15 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

## Matrix Spike

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Analysis: | EPA 6010B-1311 TCLP |
| Batch: | B4H0269 | Preparation: | 1311- ICP |
| % Solids: | | Laboratory ID: | B4H0269-MS1 |
| Column: | | Sample Lab ID: | BFH0144-02 |

| ANALYTE | SPIKE ADDED (mg/L) | SAMPLE CONCENTRATION (mg/L) | MS CONCENTRATION (mg/L) | MS % REC. | QC LIMITS REC. |
|---|---|---|---|---|---|
| Lead | 10.0 | ND | 9.72 | 97.2 | 70 - 130 |

| ANALYTE | SPIKE ADDED (mg/L) | MSD CONCENTRATION (mg/L) | MSD % REC. # | % RPD | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 10.0 | 9.64 | 96.4 | 0.788 | 15 | 70 - 130 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFH0012 |
| Client: | | Project: | 684735 |
| Sequence: | S4H0014 | Instrument: | OPTIMA8300 |
| Calibration: | 4H21001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0014-IBL1 | 08202024R.csv-001 | 08/20/24 09:52 |
| Cal Standard | S4H0014-CAL1 | 08202024R.csv-002 | 08/20/24 09:55 |
| Cal Standard | S4H0014-CAL2 | 08202024R.csv-003 | 08/20/24 09:58 |
| Cal Standard | S4H0014-CAL3 | 08202024R.csv-004 | 08/20/24 10:01 |
| Cal Standard | S4H0014-CAL4 | 08202024R.csv-005 | 08/20/24 10:04 |
| Cal Standard | S4H0014-CAL5 | 08202024R.csv-006 | 08/20/24 10:07 |
| Cal Standard | S4H0014-CAL6 | 08202024R.csv-007 | 08/20/24 10:10 |
| Initial Cal Check | S4H0014-ICV1 | 08202024R.csv-009 | 08/20/24 10:23 |
| Initial Cal Blank | S4H0014-ICB1 | 08202024R.csv-010 | 08/20/24 10:26 |
| Interference Check A | S4H0014-IFA1 | 08202024R.csv-011 | 08/20/24 10:32 |
| Interference Check B | S4H0014-IFB1 | 08202024R.csv-012 | 08/20/24 10:35 |
| Calibration Check | S4H0014-CCV1 | 08202024R.csv-013 | 08/20/24 10:38 |
| Calibration Blank | S4H0014-CCB1 | 08202024R.csv-014 | 08/20/24 10:41 |
| Calibration Check | S4H0014-CCV2 | 08202024R.csv-025 | 08/20/24 11:25 |
| Calibration Blank | S4H0014-CCB2 | 08202024R.csv-026 | 08/20/24 11:28 |
| Calibration Check | S4H0014-CCV3 | 08202024R.csv-031 | 08/20/24 11:43 |
| Calibration Blank | S4H0014-CCB3 | 08202024R.csv-032 | 08/20/24 11:46 |
| Blank | B4H0269-BLK1 | 08202024R.csv-033 | 08/20/24 11:56 |
| LCS | B4H0269-BS1 | 08202024R.csv-034 | 08/20/24 11:59 |
| LCS Dup | B4H0269-BSD1 | 08202024R.csv-035 | 08/20/24 12:02 |
| Duplicate | B4H0269-DUP1 | 08202024R.csv-037 | 08/20/24 12:08 |
| Matrix Spike | B4H0269-MS1 | 08202024R.csv-038 | 08/20/24 12:12 |
| Matrix Spike Dup | B4H0269-MSD1 | 08202024R.csv-039 | 08/20/24 12:15 |
| Calibration Check | S4H0014-CCV4 | 08202024R.csv-042 | 08/20/24 12:44 |
| Calibration Blank | S4H0014-CCB4 | 08202024R.csv-043 | 08/20/24 12:54 |
| E1291-WC-A1A2A3 | BFH0012-02 | 08202024R.csv-045 | 08/20/24 13:00 |
| Calibration Check | S4H0014-CCV5 | 08202024R.csv-050 | 08/20/24 13:23 |
| Calibration Blank | S4H0014-CCB5 | 08202024R.csv-051 | 08/20/24 13:26 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFH0012 |
| Client: | | Project: | 684735 |
| Sequence: | S4H0014 | Instrument: | OPTIMA8300 |
| Calibration: | 4H21001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Calibration Check | S4H0014-CCV6 | 08202024R.csv-056 | 08/20/24 13:50 |
| Calibration Blank | S4H0014-CCB6 | 08202024R.csv-057 | 08/20/24 13:54 |
| Calibration Check | S4H0014-CCV7 | 08202024R.csv-078 | 08/20/24 14:31 |
| Calibration Blank | S4H0014-CCB7 | 08202024R.csv-079 | 08/20/24 14:34 |
| Calibration Check | S4H0014-CCV8 | 08202024R.csv-083 | 08/20/24 14:57 |
| Calibration Blank | S4H0014-CCB8 | 08202024R.csv-084 | 08/20/24 15:01 |
| Calibration Check | S4H0014-CCV9 | 08202024R.csv-093 | 08/20/24 15:47 |
| Calibration Check | S4H0014-CCVA | 08202024R.csv-095 | 08/20/24 15:47 |
| Calibration Blank | S4H0014-CCB9 | 08202024R.csv-094 | 08/20/24 15:50 |
| Calibration Blank | S4H0014-CCBA | 08202024R.csv-096 | 08/20/24 15:50 |
| Calibration Check | S4H0014-CCVB | 08202024R.csv-107 | 08/20/24 16:37 |
| Calibration Blank | S4H0014-CCBB | 08202024R.csv-108 | 08/20/24 16:40 |
| Calibration Check | S4H0014-CCVC | 08202024R.csv-113 | 08/20/24 17:13 |
| Calibration Blank | S4H0014-CCBC | 08202024R.csv-114 | 08/20/24 17:15 |

# INITIAL CALIBRATION VERIFICATION

## EPA 6010B-1311 TCLP

**Laboratory:** AETL
**SDG:** BFH0012
**Client:**
**Project:** 684735
**Calibration:** 4H21001
**Laboratory ID:** S4H0014-ICV1
**Sequence:** S4H0014
**Standard ID:** BE42111

| ANALYTE | EXPECTED (mg/L) | FOUND (mg/L) | % DRIFT | QC LIMIT |
|---|---|---|---|---|
| Lead | 2.00 | 2.11 | 5.7 | |

* Values outside of QC limits

# INITIAL AND CONTINUING CALIBRATION CHECK

## EPA 6010B-1311 TCLP

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFH0012
Project: 684735
Calibration: 4H21001
Sequence: S4H0014

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4H0014-ICV1 | Lead | 2.00 | 2.11 | 106 | mg/L | +/- % |
| S4H0014-CCV1 | Lead | 2.00 | 2.02 | 101 | mg/L | +/- % |
| S4H0014-CCV2 | Lead | 2.00 | 2.06 | 103 | mg/L | +/- % |
| S4H0014-CCV3 | Lead | 2.00 | 2.02 | 101 | mg/L | +/- % |
| S4H0014-CCV4 | Lead | 2.00 | 1.84 | 92.2 | mg/L | +/- % |
| S4H0014-CCV5 | Lead | 2.00 | 1.83 | 91.4 | mg/L | +/- % |
| S4H0014-CCV6 | Lead | 2.00 | 1.89 | 94.7 | mg/L | +/- % |
| S4H0014-CCV7 | Lead | 2.00 | 2.05 | 103 | mg/L | +/- % |
| S4H0014-CCV8 | Lead | 2.00 | 1.98 | 99.2 | mg/L | +/- % |
| S4H0014-CCV9 | Lead | 2.00 | 1.84 | 92.0 | mg/L | +/- % |
| S4H0014-CCVA | Lead | 2.00 | 1.84 | 92.1 | mg/L | +/- % |
| S4H0014-CCVB | Lead | 2.00 | 1.94 | 97.0 | mg/L | +/- % |
| S4H0014-CCVC | Lead | 2.00 | 1.94 | 96.9 | mg/L | +/- % |

# Blank Results

## EPA 6010B-1311 TCLP

Laboratory: AETL
Work Order: BFH0012
Client:
Project: 684735

| Lab Sample ID | Analyte | Found | Units | RL |
|---|---|---|---|---|
| S4H0014-ICB1 | Lead | 0.00365 | mg/L | 0.0400 |
| S4H0014-CCB1 | Lead | 0.00406 | mg/L | 0.0400 |
| S4H0014-CCB2 | Lead | 0.00571 | mg/L | 0.0400 |
| S4H0014-CCB3 | Lead | -0.00402 | mg/L | 0.0400 |
| S4H0014-CCB4 | Lead | 0.000978 | mg/L | 0.0400 |
| S4H0014-CCB5 | Lead | 0.00531 | mg/L | 0.0400 |
| S4H0014-CCB6 | Lead | 0.00607 | mg/L | 0.0400 |
| S4H0014-CCB7 | Lead | -0.00644 | mg/L | 0.0400 |
| S4H0014-CCB8 | Lead | -0.00933 | mg/L | 0.0400 |
| S4H0014-CCB9 | Lead | -0.00962 | mg/L | 0.0400 |
| S4H0014-CCBA | Lead | -0.00196 | mg/L | 0.0400 |
| S4H0014-CCBB | Lead | -0.00247 | mg/L | 0.0400 |
| S4H0014-CCBC | Lead | 0.00393 | mg/L | 0.0400 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4H21001 |
| Sequence: | S4H0014 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0014-IFA1 | Lead | 0.00 | 0.01628 | mg/L | -100 | ±0.00 % | 8/20/24 10:32 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4H21001 |
| Sequence: | S4H0014 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0014-IFB1 | Lead | 0.500 | 0.48970 | mg/L | -2 | ±0.00 % | 8/20/24 10:35 |

SAMPLE DATA

# SAMPLE DATA
# METALS

# FORM I
# ANALYSIS DATA SHEET
E1291-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | BFH0012-01 |
| Sampled: | 07/31/24 11:38 | | |
| % Solids: | 0.00 | | |

| Analyte | Concentration (mg/L) | PQL | MDL | DF | Q | Batch | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 3.87 | 0.800 | 0.328 | 2 | D | B4H0239 | 08/14/24 16:36 | EPA |

# FORM I
# ANALYSIS DATA SHEET
E1291-WC-A1A2A3

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | BFH0012-02 |
| Sampled: | 07/31/24 11:43 | | |
| % Solids: | 0.00 | | |

| Analyte | Concentration (mg/L) | PQL | MDL | DF | Q | Batch | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 4.22 | 0.800 | 0.328 | 2 | D | B4H0239 | 08/14/24 16:39 | EPA |

# PREPARATION BATCH SUMMARY

## EPA 6010B-STLC

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFH0012 |
| Client: | | | | Project: | 684735 |
| Batch: | B4H0239 | Batch Matrix: | Soil | Preparation: | STLC- ICP |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4H0239-BLK1 | 08/14/24 10:14 | 5.00 | 50.00 |
| LCS | B4H0239-BS1 | 08/14/24 10:14 | 5.00 | 50.00 |
| LCS Dup | B4H0239-BSD1 | 08/14/24 10:14 | 5.00 | 50.00 |
| Duplicate | B4H0239-DUP1 | 08/14/24 10:14 | 5.00 | 50.00 |
| Matrix Spike | B4H0239-MS1 | 08/14/24 10:14 | 5.00 | 50.00 |
| Matrix Spike Dup | B4H0239-MSD1 | 08/14/24 10:14 | 5.00 | 50.00 |
| E1291-WC-A1A2 | BFH0012-01 | 08/14/24 10:14 | 5.00 | 50.00 |
| E1291-WC-A1A2A3 | BFH0012-02 | 08/14/24 10:14 | 5.00 | 50.00 |

# PREPARATION BENCH SHEET

B4H0239

**AETL**

**Printed: 8/15/2024 2:37:19PM**

**Matrix: Soil** **Prepared using: METALS - STLC- ICP** **(No Surrogate)**

| Lab Number | Analysis | Prepared | Initial (mL) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surrogate | Client | Extraction Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| B4H0239-BLK1 | QC | 08/14/2024 10:14 | 5 | 50 | | | | | | |
| B4H0239-BS1 | QC | 08/14/2024 10:14 | 5 | 50 | BE42111 | | 50000 | | | |
| B4H0239-BSD1 | QC | 08/14/2024 10:14 | 5 | 50 | BE42111 | | 50000 | | | |
| B4H0239-DUP1 | QC | 08/14/2024 10:14 | 5 | 50 | | BFG0296-01 | | | | |
| B4H0239-MS1 | QC | 08/14/2024 10:14 | 5 | 50 | BE42111 | BFG0296-01 | 50000 | | | |
| B4H0239-MSD1 | QC | 08/14/2024 10:14 | 5 | 50 | BE42111 | BFG0296-01 | 50000 | | | |
| BFG0237-01 | STLC-6010B-Pb | 08/14/2024 10:14 | 5 | 50 | | | | | Parsons | |
| BFG0296-01 | STLC-6010B-Pb | 08/14/2024 10:14 | 5 | 50 | | | | | | Added for BatchQC in: B4H0239 |
| BFG0296-01 | STLC-6010B-Se | 08/14/2024 10:14 | 5 | 50 | | | | | | |
| BFG0296-01 | STLC-6010B-Be | 08/14/2024 10:14 | 5 | 50 | | | | | | |
| BFH0008-01 | STLC-6010B-Pb | 08/14/2024 10:14 | 5 | 50 | | | | | Parsons | |
| BFH0008-02 | STLC-6010B-Pb | 08/14/2024 10:14 | 5 | 50 | | | | | Parsons | |
| BFH0012-01 | STLC-6010B-Pb | 08/14/2024 10:14 | 5 | 50 | | | | | Parsons | |
| BFH0012-02 | STLC-6010B-Pb | 08/14/2024 10:14 | 5 | 50 | | | | | Parsons | |
| BFH0014-01 | STLC-6010B-Pb | 08/14/2024 10:14 | 5 | 50 | | | | | Parsons | |
| BFH0014-02 | STLC-6010B-Pb | 08/14/2024 10:14 | 5 | 50 | | | | | Parsons | |

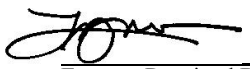
Pipette/Tip: 544461197/B107005
5Oml Tube: MP3971
HOTBLOCK: E
THERMOMETER: 10075
UNCOR TEMP: 95 C
COR TEMP: 95 C
DIGESTION STARTED: 12:30 hrs
TIME END: 15:00 hrs

8/14/24

iking Witnessed By Date

8/14/24

Preparation Reviewed By Date



8/14/24

Extracts Received By Date

# ANALYSIS DATA SHEET

Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFH0012 |
| Client: | | | Project: | 684735 | |
| Matrix: | Soil | Laboratory ID: | B4H0239-BLK1 | File ID: | 08142024BRR.csv-118 |
| Sampled: | | Prepared: | 08/14/24 10:14 | Analyzed: | 08/14/24 15:51 |
| Solids: | | Preparation: | STLC- ICP | Dilution: | 2 |
| Batch: | B4H0239 | Sequence: | S4H0010 | Calibration: | 4H15001 |
| Column: | 1 | | | | |

Instrument: OPTIMA8300

| ANALYTE | CONC. (mg/L) | MDL | RL | Q |
|---|---|---|---|---|
| Lead | ND | 0.328 | 0.800 | D |

# LCS / LCS DUPLICATE RECOVERY

EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Preparation: | STLC- ICP |
| Batch: | B4H0239 | Laboratory ID: | B4H0239-BS1 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (mg/L) | LCS CONCENTRATION (mg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Lead | 20.0 | 18.2 | 90.9 | 80 - 120 |

| ANALYTE | SPIKE ADDED (mg/L) | LCSD CONCENTRATION (mg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 20.0 | 19.3 | 96.5 | 5.96 | 15 | 80 - 120 |

# DUPLICATES

## Duplicate

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | B4H0239-DUP1 |
| Batch: | B4H0239 | Initial/Final: | 5 mL / 50 mL |
| Preparation: | STLC- ICP | Analysis: | EPA 6010B-STLC |
| % Solids: | 92.71 | | |

| ANALYTE | SAMPLE CONC. (mg/L) | DUPLICATE CONC. (mg/L) | RPD % | Q | CONTROL LIMIT |
|---|---|---|---|---|---|
| Lead | ND | ND | | | 15 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

## Matrix Spike

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Analysis: | EPA 6010B-STLC |
| Batch: | B4H0239 | Preparation: | STLC- ICP |
| % Solids: | 92.71 | Laboratory ID: | B4H0239-MS1 |
| Column: | | Sample Lab ID: | BFG0296-01 |

| ANALYTE | SPIKE ADDED (mg/L) | SAMPLE CONCENTRATION (mg/L) | MS CONCENTRATION (mg/L) | MS % REC. | QC LIMITS REC. |
|---|---|---|---|---|---|
| Lead | 20.0 | ND | 15.5 | 77.3 | 70 - 130 |

| ANALYTE | SPIKE ADDED (mg/L) | MSD CONCENTRATION (mg/L) | MSD % REC. # | % RPD | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 20.0 | 17.0 | 85.0 | 9.50 | 15 | 70 - 130 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFH0012 |
| Client: | | Project: | 684735 |
| Sequence: | S4H0010 | Instrument: | OPTIMA8300 |
| Calibration: | 4H15001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0010-IBL1 | 08142024BRR.csv-001 | 08/14/24 08:01 |
| Cal Standard | S4H0010-CAL1 | 08142024BRR.csv-002 | 08/14/24 08:04 |
| Cal Standard | S4H0010-CAL2 | 08142024BRR.csv-003 | 08/14/24 08:07 |
| Cal Standard | S4H0010-CAL3 | 08142024BRR.csv-004 | 08/14/24 08:10 |
| Cal Standard | S4H0010-CAL4 | 08142024BRR.csv-005 | 08/14/24 08:13 |
| Cal Standard | S4H0010-CAL5 | 08142024BRR.csv-006 | 08/14/24 08:20 |
| Cal Standard | S4H0010-CAL6 | 08142024BRR.csv-007 | 08/14/24 08:22 |
| Initial Cal Check | S4H0010-ICV1 | 08142024BRR.csv-009 | 08/14/24 09:31 |
| Initial Cal Blank | S4H0010-ICB1 | 08142024BRR.csv-010 | 08/14/24 09:35 |
| Interference Check A | S4H0010-IFA1 | 08142024BRR.csv-011 | 08/14/24 09:40 |
| Interference Check B | S4H0010-IFB1 | 08142024BRR.csv-012 | 08/14/24 09:50 |
| Calibration Check | S4H0010-CCV1 | 08142024BRR.csv-013 | 08/14/24 09:53 |
| Calibration Blank | S4H0010-CCB1 | 08142024BRR.csv-014 | 08/14/24 09:57 |
| Calibration Check | S4H0010-CCV2 | 08142024BRR.csv-028 | 08/14/24 10:49 |
| Calibration Blank | S4H0010-CCB2 | 08142024BRR.csv-029 | 08/14/24 10:54 |
| Calibration Check | S4H0010-CCV3 | 08142024BRR.csv-040 | 08/14/24 11:29 |
| Calibration Blank | S4H0010-CCB3 | 08142024BRR.csv-041 | 08/14/24 11:32 |
| Calibration Check | S4H0010-CCV4 | 08142024BRR.csv-052 | 08/14/24 12:06 |
| Calibration Blank | S4H0010-CCB4 | 08142024BRR.csv-053 | 08/14/24 12:09 |
| Calibration Check | S4H0010-CCV5 | 08142024BRR.csv-058 | 08/14/24 12:24 |
| Calibration Blank | S4H0010-CCB5 | 08142024BRR.csv-059 | 08/14/24 12:27 |
| Calibration Check | S4H0010-CCV6 | 08142024BRR.csv-070 | 08/14/24 13:04 |
| Calibration Blank | S4H0010-CCB6 | 08142024BRR.csv-071 | 08/14/24 13:07 |
| Calibration Check | S4H0010-CCV7 | 08142024BRR.csv-082 | 08/14/24 13:40 |
| Calibration Blank | S4H0010-CCB7 | 08142024BRR.csv-083 | 08/14/24 13:45 |
| Calibration Check | S4H0010-CCV8 | 08142024BRR.csv-093 | 08/14/24 14:31 |
| Calibration Blank | S4H0010-CCB8 | 08142024BRR.csv-094 | 08/14/24 14:34 |
| Calibration Check | S4H0010-CCV9 | 08142024BRR.csv-105 | 08/14/24 15:08 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFH0012 |
| Client: | | Project: | 684735 |
| Sequence: | S4H0010 | Instrument: | OPTIMA8300 |
| Calibration: | 4H15001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Calibration Blank | S4H0010-CCB9 | 08142024BRR.csv-106 | 08/14/24 15:11 |
| Calibration Check | S4H0010-CCVA | 08142024BRR.csv-116 | 08/14/24 15:42 |
| Calibration Blank | S4H0010-CCBA | 08142024BRR.csv-117 | 08/14/24 15:46 |
| Blank | B4H0239-BLK1 | 08142024BRR.csv-118 | 08/14/24 15:51 |
| LCS | B4H0239-BS1 | 08142024BRR.csv-119 | 08/14/24 15:55 |
| LCS Dup | B4H0239-BSD1 | 08142024BRR.csv-120 | 08/14/24 15:58 |
| Duplicate | B4H0239-DUP1 | 08142024BRR.csv-122 | 08/14/24 16:10 |
| Matrix Spike | B4H0239-MS1 | 08142024BRR.csv-123 | 08/14/24 16:13 |
| Matrix Spike Dup | B4H0239-MSD1 | 08142024BRR.csv-124 | 08/14/24 16:16 |
| Calibration Check | S4H0010-CCVB | 08142024BRR.csv-127 | 08/14/24 16:26 |
| Calibration Blank | S4H0010-CCBB | 08142024BRR.csv-128 | 08/14/24 16:30 |
| E1291-WC-A1A2 | BFH0012-01 | 08142024BRR.csv-130 | 08/14/24 16:36 |
| E1291-WC-A1A2A3 | BFH0012-02 | 08142024BRR.csv-131 | 08/14/24 16:39 |
| Calibration Check | S4H0010-CCVC | 08142024BRR.csv-136 | 08/14/24 17:01 |
| Calibration Blank | S4H0010-CCBC | 08142024BRR.csv-137 | 08/14/24 17:04 |

# INITIAL CALIBRATION VERIFICATION

## EPA 6010B-STLC

**Laboratory:** AETL
**SDG:** BFH0012
**Client:**
**Project:** 684735
**Calibration:** 4H15001
**Laboratory ID:** S4H0010-ICV1
**Sequence:** S4H0010
**Standard ID:** BE42111

| ANALYTE | EXPECTED (mg/L) | FOUND (mg/L) | % DRIFT | QC LIMIT |
|---|---|---|---|---|
| Lead | 2.00 | 2.09 | 4.7 | 10.00 |

* Values outside of QC limits

# INITIAL AND CONTINUING CALIBRATION CHECK

## EPA 6010B-STLC

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFH0012
Project: 684735
Calibration: 4H15001
Sequence: S4H0010

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4H0010-ICV1 | Lead | 2.00 | 2.09 | 105 | mg/L | +/- 10.00% |
| S4H0010-CCV1 | Lead | 2.00 | 2.07 | 103 | mg/L | +/- 10.00% |
| S4H0010-CCV2 | Lead | 2.00 | 2.03 | 101 | mg/L | +/- 10.00% |
| S4H0010-CCV3 | Lead | 2.00 | 1.96 | 98.2 | mg/L | +/- 10.00% |
| S4H0010-CCV4 | Lead | 2.00 | 1.94 | 96.9 | mg/L | +/- 10.00% |
| S4H0010-CCV5 | Lead | 2.00 | 1.97 | 98.7 | mg/L | +/- 10.00% |
| S4H0010-CCV6 | Lead | 2.00 | 1.96 | 97.9 | mg/L | +/- 10.00% |
| S4H0010-CCV7 | Lead | 2.00 | 1.89 | 94.4 | mg/L | +/- 10.00% |
| S4H0010-CCV8 | Lead | 2.00 | 2.06 | 103 | mg/L | +/- 10.00% |
| S4H0010-CCV9 | Lead | 2.00 | 2.04 | 102 | mg/L | +/- 10.00% |
| S4H0010-CCVA | Lead | 2.00 | 2.02 | 101 | mg/L | +/- 10.00% |
| S4H0010-CCVB | Lead | 2.00 | 1.85 | 92.3 | mg/L | +/- 10.00% |
| S4H0010-CCVC | Lead | 2.00 | 2.13 | 106 | mg/L | +/- 10.00% |

# Blank Results

## EPA 6010B-STLC

Laboratory: AETL
Work Order: BFH0012
Client:
Project: 684735

| Lab Sample ID | Analyte | Found | Units | RL |
|---|---|---|---|---|
| S4H0010-ICB1 | Lead | 0.0132 | mg/L | 0.0400 |
| S4H0010-CCB1 | Lead | 0.0155 | mg/L | 0.0400 |
| S4H0010-CCB2 | Lead | 0.0174 | mg/L | 0.0400 |
| S4H0010-CCB3 | Lead | 0.00344 | mg/L | 0.0400 |
| S4H0010-CCB4 | Lead | -0.00452 | mg/L | 0.0400 |
| S4H0010-CCB5 | Lead | -0.00165 | mg/L | 0.0400 |
| S4H0010-CCB6 | Lead | -0.00977 | mg/L | 0.0400 |
| S4H0010-CCB7 | Lead | 0.00159 | mg/L | 0.0400 |
| S4H0010-CCB8 | Lead | 0.0112 | mg/L | 0.0400 |
| S4H0010-CCB9 | Lead | 0.00391 | mg/L | 0.0400 |
| S4H0010-CCBA | Lead | -0.00298 | mg/L | 0.0400 |
| S4H0010-CCBB | Lead | 0.00998 | mg/L | 0.0400 |
| S4H0010-CCBC | Lead | -0.00870 | mg/L | 0.0400 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4H15001 |
| Sequence: | S4H0010 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0010-IFA1 | Lead | 0.00 | 0.02341 | mg/L | -100 | ±20.00 % | 8/14/24 9:40 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFH0012 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4H15001 |
| Sequence: | S4H0010 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0010-IFB1 | Lead | 0.500 | 0.49186 | mg/L | -2 | ±20.00 % | 8/14/24 9:50 |

# Report Prepared For:

## Parsons

# Client Project Description:

PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

# ATL Work Order: 2401010

Date of Preparation: 06-21-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401010


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June 21, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401010

Client Reference : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Enclosed are the results for sample(s) received on June 19, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 06/21/24 14:49 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 06/21/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| PIA-02880-WC-A1A2 | 2401010-01 | Soil | 6/19/24 11:39 | 6/19/24 15:50 |
| PIA-02880-WC-A1A2A3 | 2401010-02 | Soil | 6/19/24 11:40 | 6/19/24 15:50 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 06/21/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on June 19th, 2024 at 15:50. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 06/21/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| B14 | Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary. |
| B13 | Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 06/21/2024 |

## Client Sample ID: PIA-02880-WC-A1A2
## Lab ID: 2401010-01

**Total Metals by ICP-AES EPA 6010B** — **Analyst: ICP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **1.6** | 2.0 | 0.77 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | J |
| **Arsenic** | **3.7** | 2.0 | 0.71 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | |
| **Cadmium** | **2.4** | 1.0 | 0.06 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | |
| **Copper** | **36** | 1.0 | 0.22 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | |
| **Lead** | **100** | 1.0 | 0.18 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | |
| **Zinc** | **290** | 2.0 | 0.30 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | |

## Client Sample ID: PIA-02880-WC-A1A2A3
## Lab ID: 2401010-02

**Total Metals by ICP-AES EPA 6010B** — **Analyst: ICP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **1.9** | 2.0 | 0.77 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | J |
| **Arsenic** | **3.4** | 2.0 | 0.71 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | |
| **Cadmium** | **2.3** | 1.0 | 0.06 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | |
| **Copper** | **32** | 1.0 | 0.22 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | |
| **Lead** | **86** | 1.0 | 0.18 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | |
| **Zinc** | **180** | 2.0 | 0.30 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 06/21/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4F0783 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4F0783-BLK1)** | | | | | | Prepared: 6/18/2024 Analyzed: 6/20/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | ND | 1.0 | 0.22 | | | | | | | U |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4F0783-BS1)** | | | | | | Prepared: 6/18/2024 Analyzed: 6/20/2024 | | | | |
| Antimony | 26.5999 | 2.0 | 0.77 | 25.0000 | | 106 | 80 - 120 | | | |
| Arsenic | 24.4905 | 2.0 | 0.71 | 25.0000 | | 98.0 | 80 - 120 | | | |
| Cadmium | 24.8087 | 1.0 | 0.06 | 25.0000 | | 99.2 | 80 - 120 | | | |
| Copper | 22.9627 | 1.0 | 0.22 | 25.0000 | | 91.9 | 80 - 120 | | | |
| Lead | 23.8317 | 1.0 | 0.18 | 25.0000 | | 95.3 | 80 - 120 | | | |
| Zinc | 23.2993 | 2.0 | 0.30 | 25.0000 | | 93.2 | 80 - 120 | | | |
| **Matrix Spike (B4F0783-MS1)** | | | **Source: 2400989-01** | | | Prepared: 6/19/2024 Analyzed: 6/20/2024 | | | | |
| Antimony | 20.6778 | 2.0 | 0.77 | 25.0000 | 0.811822 | 79.5 | 75 - 125 | | | |
| Arsenic | 26.0665 | 2.0 | 0.71 | 25.0000 | 2.84605 | 92.9 | 75 - 125 | | | |
| Cadmium | 25.2505 | 1.0 | 0.06 | 25.0000 | 1.91348 | 93.3 | 75 - 125 | | | |
| Copper | 48.4458 | 1.0 | 0.22 | 25.0000 | 27.9454 | 82.0 | 75 - 125 | | | |
| Lead | 69.4350 | 1.0 | 0.18 | 25.0000 | 53.8438 | 62.4 | 75 - 125 | | | M2 |
| Zinc | 123.170 | 2.0 | 0.30 | 25.0000 | 114.051 | 36.5 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4F0783-MSD1)** | | | **Source: 2400989-01** | | | Prepared: 6/19/2024 Analyzed: 6/20/2024 | | | | |
| Antimony | 20.3450 | 2.0 | 0.77 | 25.0000 | 0.811822 | 78.1 | 75 - 125 | 1.62 | 20 | |
| Arsenic | 26.8704 | 2.0 | 0.71 | 25.0000 | 2.84605 | 96.1 | 75 - 125 | 3.04 | 20 | |
| Cadmium | 28.1038 | 1.0 | 0.06 | 25.0000 | 1.91348 | 105 | 75 - 125 | 10.7 | 20 | |
| Copper | 48.2442 | 1.0 | 0.22 | 25.0000 | 27.9454 | 81.2 | 75 - 125 | 0.417 | 20 | |
| Lead | 72.4694 | 1.0 | 0.18 | 25.0000 | 53.8438 | 74.5 | 75 - 125 | 4.28 | 20 | M2 |
| Zinc | 128.352 | 2.0 | 0.30 | 25.0000 | 114.051 | 57.2 | 75 - 125 | 4.12 | 20 | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 06/21/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4F0783 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4F0783-PS1)** | | | **Source: 2400989-01** | | Prepared: 6/18/2024 Analyzed: 6/20/2024 | | | | |
| Antimony | 0.490639 | | 0.500000 | 0.016236 | 94.9 | 75 - 125 | | | |
| Arsenic | 0.535991 | | 0.500000 | 0.056921 | 95.8 | 75 - 125 | | | |
| Cadmium | 0.545032 | | 0.500000 | 0.038270 | 101 | 75 - 125 | | | |
| Copper | 1.07497 | | 0.500000 | 0.558907 | 103 | 75 - 125 | | | |
| Lead | 1.53651 | | 0.500000 | 1.07688 | 91.9 | 75 - 125 | | | |
| Zinc | 2.70293 | | 0.500000 | 2.28103 | 84.4 | 75 - 125 | | | |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instructia n: Complete oll shoded areas .*

21 240101O

For Laboratory Use Only ATLCOC Ver:20210101

| Method of Transport | Sample Conditions Upon Receipt | | | | | |
|---|---|---|---|---|---|---|
| ☐ Client ☐ ATL | Condition | Y | N | Condition | Y | N |
| ☐ FedEx ☐ OnTrac | 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| ☐ GSO | 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| ☐ Other: | 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| | 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | | | Address: 100 W. Walnut Street | | Tel: |
| | | | City: Pasadena | State: CA Zip: 91124 | Fax: |
| SEND REPORT TO: | | | SEND INVOICE TO: ☐ same as SEND REPORT TO | | |
| Attn: Tom Blaney | Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | | Attn: | Email: | |
| Company: Parsons | | | Company: | | |
| Address: 100 W. Walnut Street | | | Address: | | |
| City: Pasadena | State: CA | Zip: 91124 | City: | State: | Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

| | | | |
|---|---|---|---|
| Project Name: DTSC Exide Residential | | Quote #: | |
| Site Address: 1142 S Alma Ave, Los Angeles 90023 | | Site ID: PIA-02880 | |
| Project No.: 684735 | | PO #: | |
| Sampler: Joshua Cottingham | | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As, Pb,Sb,Cd,Cu,Zn) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Container: Type: 1=Tube; 2=VOA; 3=Jar; 4=Print; 5=Air; 6=Sedar; 7=Canister | Container: Material: 1=Glass; 2=Plastic; 3=Metal | Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 or C; 5=NaOH; 6=NaOH; 7=NaNO3 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PIA-02880-WC-A1A2 | PIA-02880-WC | 6/19/2024 | 1139 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | PIA-02880-WC-A1A2A3 | PIA-02880-WC | 6/19/2024 | 1140 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Josh Cottingham | 6-19-24 | 1442 | | 6/19/24 | 1442 |
| | 6/19/24 | 1550 | Dannyle | 6/19/24 | 1550 |
| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |



Table of Contents

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| PIA-02880-WC-A1A2 | 2401010-01 |
| PIA-02880-WC-A1A2A3 | 2401010-02 |

# Sample Receiving Documents

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401010

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 06/27/2024 20:00 | Received in Lab: | 06/19/2024 15:50 |
| Received By: | Danny Le | Method of Delivery: | ATL Courier |
| Logged In By: | Ethan Tran | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401010-01 PIA-02880-WC-A1A2 [Soil] Sampled 06/19/2024 11:39** | | | |
| 6010_Exide_6 Metals Ver: NONE | 06/27/2024 20:00 | 12/16/2024 00:00 | 1 |
| **2401010-02 PIA-02880-WC-A1A2A3 [Soil] Sampled 06/19/2024 11:40** | | | |
| 6010_Exide_6 Metals Ver: NONE | 06/27/2024 20:00 | 12/16/2024 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401010

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 17. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401010-01 | Laboratory ID: PIA-02880-WC-A1A2

Sampled: 06/19/24 11:39 | Prepared: 06/20/24 13:00 | Analyzed: 06/20/24 20:07

Batch: B4F0783 | Sequence: S4F0617 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.6 | 0.77 | 2.0 | 1 | J |
| 7440-38-2 | Arsenic | 3.7 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 2.4 | 0.06 | 1.0 | 1 | |
| 7440-50-8 | Copper | 36 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 100 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 290 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401010-02 | Laboratory ID: PIA-02880-WC-A1A2A3

Sampled: 06/19/24 11:40 | Prepared: 06/20/24 13:00 | Analyzed: 06/20/24 20:10

Batch: B4F0783 | Sequence: S4F0617 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.9 | 0.77 | 2.0 | 1 | J |
| 7440-38-2 | Arsenic | 3.4 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 2.3 | 0.06 | 1.0 | 1 | |
| 7440-50-8 | Copper | 32 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 86 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 180 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401010 |
| Client: | Parsons | Project: | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA |
| Batch: | B4F0783 Batch Matrix: Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| PIA-02880-WC-A1A2 | 2401010-01 | 06/20/24 13:00 | 1.00 | 50 |
| PIA-02880-WC-A1A2A3 | 2401010-02 | 06/20/24 13:00 | 1.00 | 50 |
| Blank | B4F0783-BLK1 | 06/18/24 16:36 | 1.00 | 50 |
| LCS | B4F0783-BS1 | 06/18/24 16:36 | 1.00 | 50 |
| Matrix Spike | B4F0783-MS1 | 06/19/24 08:40 | 1.00 | 50 |
| Matrix Spike Dup | B4F0783-MSD1 | 06/19/24 08:40 | 1.00 | 50 |
| Dilution Check | B4F0783-SRL1 | 06/18/24 16:36 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4F0783

**Extraction Method:** EPA 3050B_S

**Batch Start Date:** 06/20/2024 13:20 **Batch Analyst:** DL2

**Analysis Method:** EPA 6010B

**Batch End Date:** 06/20/2024 15:40

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401010-01 | PIA-02880-WC-A1A 2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401010-02 | PIA-02880-WC-A1A 2A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4F0783-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4F0783-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4F0783-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2400989-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4F0783-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2400989-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4F0783-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2400989-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4F0526 | Concentrated Nitric Acid | 1123090 |
| A4D0521 | 1:1 Nitric Acid | NA |
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |
| A4A0581 | Hydrogen Peroxide | K54376509 |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Thermometer ID | MPTHERM 09 | 935128 |
| Dispenser ID | MPDISP02 | 347844 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Pipette | MPP01 | 22E77439 |
| Digestion Unit | DB01 | 4507CEC2139 |
| Dispenser ID | MPDISP01 | 04K58398 |
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4F0783

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4F0783-BLK1 | Antimony | 0.167185 | 0.77 | 2.0 | 06/20/24 18:42 | U | EPA 6010B |
| | Arsenic | 0.496991 | 0.71 | 2.0 | 06/20/24 18:42 | U | EPA 6010B |
| | Cadmium | -0.318907 | 0.06 | 1.0 | 06/20/24 18:42 | U | EPA 6010B |
| | Copper | -0.038992 | 0.22 | 1.0 | 06/20/24 18:42 | U | EPA 6010B |
| | Lead | -0.851144 | 0.18 | 1.0 | 06/20/24 18:42 | U | EPA 6010B |
| | Zinc | -0.852354 | 0.30 | 2.0 | 06/20/24 18:42 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4F0783
Concentration Units: mg/kg
Laboratory ID: B4F0783-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 26.5999 | 25.0000 | 106 | | 80 - 120 |
| Arsenic | 24.4905 | 25.0000 | 98.0 | | 80 - 120 |
| Cadmium | 24.8087 | 25.0000 | 99.2 | | 80 - 120 |
| Copper | 22.9627 | 25.0000 | 91.9 | | 80 - 120 |
| Lead | 23.8317 | 25.0000 | 95.3 | | 80 - 120 |
| Zinc | 23.2993 | 25.0000 | 93.2 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Matrix: Soil
Instrument: ICP-16
Batch ID: B4F0783
Concentration Units: mg/kg
Source Sample Name: **2400989-01**

Laboratory ID: B4F0783-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Antimony | 0.811822 | 20.6778 | 25.0000 | 79.5 | | 75 - 125 |
| Arsenic | 2.84605 | 26.0665 | 25.0000 | 92.9 | | 75 - 125 |
| Cadmium | 1.91348 | 25.2505 | 25.0000 | 93.3 | | 75 - 125 |
| Copper | 27.9454 | 48.4458 | 25.0000 | 82.0 | | 75 - 125 |
| Lead | 53.8438 | 69.4350 | 25.0000 | 62.4 | M2 | 75 - 125 |
| Zinc | 114.051 | 123.170 | 25.0000 | 36.5 | M2 | 75 - 125 |

Laboratory ID: B4F0783-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Antimony | 20.3450 | 78.1 | 1.62 | 25.0000 | | 20 | 75 - 125 |
| Arsenic | 26.8704 | 96.1 | 3.04 | 25.0000 | | 20 | 75 - 125 |
| Cadmium | 28.1038 | 105 | 10.7 | 25.0000 | | 20 | 75 - 125 |
| Copper | 48.2442 | 81.2 | 0.417 | 25.0000 | | 20 | 75 - 125 |
| Lead | 72.4694 | 74.5 | 4.28 | 25.0000 | M2 | 20 | 75 - 125 |
| Zinc | 128.352 | 57.2 | 4.12 | 25.0000 | M2 | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4F0783

Concentration Units: mg/L

Source Sample Name: **2400989-01**

Laboratory ID: B4F0783-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4F0783-PS1 | | | | | | |
| Antimony | 0.016236 | 0.490639 | 0.500000 | 94.9 | | 75 - 125 |
| Arsenic | 0.056921 | 0.535991 | 0.500000 | 95.8 | | 75 - 125 |
| Cadmium | 0.038270 | 0.545032 | 0.500000 | 101 | | 75 - 125 |
| Copper | 0.558907 | 1.07497 | 0.500000 | 103 | | 75 - 125 |
| Lead | 1.07688 | 1.53651 | 0.500000 | 91.9 | | 75 - 125 |
| Zinc | 2.28103 | 2.70293 | 0.500000 | 84.4 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4F0617

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4F0617-IBL1 | 240620-02 RR-001 | 06/20/24 10:16 |
| Cal Standard | S4F0617-CAL1 | 240620-02 RR-002 | 06/20/24 10:19 |
| Cal Standard | S4F0617-CAL2 | 240620-02 RR-003 | 06/20/24 10:22 |
| Cal Standard | S4F0617-CAL3 | 240620-02 RR-004 | 06/20/24 10:25 |
| Cal Standard | S4F0617-CAL4 | 240620-02 RR-005 | 06/20/24 10:28 |
| Cal Standard | S4F0617-CAL5 | 240620-02 RR-006 | 06/20/24 10:31 |
| Cal Standard | S4F0617-CAL6 | 240620-02 RR-007 | 06/20/24 10:33 |
| Cal Standard | S4F0617-CAL7 | 240620-02 RR-008 | 06/20/24 10:36 |
| Initial Cal Check | S4F0617-ICV1 | 240620-02 RR-009 | 06/20/24 10:50 |
| Initial Cal Blank | S4F0617-ICB1 | 240620-02 RR-010 | 06/20/24 10:52 |
| Interference Check A | S4F0617-IFA1 | 240620-02 RR-012 | 06/20/24 11:01 |
| Interference Check B | S4F0617-IFB1 | 240620-02 RR-013 | 06/20/24 11:03 |
| Calibration Check | S4F0617-CCV1 | 240620-02 RR-014 | 06/20/24 13:39 |
| Calibration Blank | S4F0617-CCB1 | 240620-02 RR-015 | 06/20/24 13:54 |
| Calibration Check | S4F0617-CCV5 | 240620-02 RR-070 | 06/20/24 18:34 |
| Calibration Blank | S4F0617-CCB5 | 240620-02 RR-071 | 06/20/24 18:37 |
| Blank | B4F0783-BLK1 | 240620-02 RR-072 | 06/20/24 18:42 |
| LCS | B4F0783-BS1 | 240620-02 RR-074 | 06/20/24 18:49 |
| Matrix Spike | B4F0783-MS1 | 240620-02 RR-075 | 06/20/24 18:51 |
| Matrix Spike Dup | B4F0783-MSD1 | 240620-02 RR-076 | 06/20/24 18:54 |
| Post Spike | B4F0783-PS1 | 240620-02 RR-077 | 06/20/24 18:56 |
| Dilution Check | B4F0783-SRL1 | 240620-02 RR-078 | 06/20/24 18:59 |
| Calibration Check | S4F0617-CCV6 | 240620-02 RR-083 | 06/20/24 19:12 |
| Calibration Blank | S4F0617-CCB6 | 240620-02 RR-084 | 06/20/24 19:15 |
| Calibration Check | S4F0617-CCV7 | 240620-02 RR-095 | 06/20/24 19:47 |
| Calibration Blank | S4F0617-CCB7 | 240620-02 RR-096 | 06/20/24 19:50 |
| PIA-02880-WC-A1A2 | 2401010-01 | 240620-02 RR-097 | 06/20/24 20:07 |
| PIA-02880-WC-A1A2A3 | 2401010-02 | 240620-02 RR-098 | 06/20/24 20:10 |
| Calibration Check | S4F0617-CCV8 | 240620-02 RR-105 | 06/20/24 20:34 |
| Calibration Blank | S4F0617-CCB8 | 240620-02 RR-106 | 06/20/24 20:37 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16
ICV Source: A4F0515
Concentration Units: mg/L
CCV Source: A4F0512

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4F0617-ICV1 | Antimony | 0.500000 | 0.490331 | 98.1 | 06/20/24 10:50 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.492809 | 98.6 | 06/20/24 10:50 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.495648 | 99.1 | 06/20/24 10:50 | +/- 10.00% |
| | Copper | 0.500000 | 0.485383 | 97.1 | 06/20/24 10:50 | +/- 10.00% |
| | Lead | 0.500000 | 0.505324 | 101 | 06/20/24 10:50 | +/- 10.00% |
| | Zinc | 0.500000 | 0.542147 | 108 | 06/20/24 10:50 | +/- 10.00% |
| S4F0617-CCV1 | Antimony | 2.00000 | 2.05712 | 103 | 06/20/24 13:39 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.16896 | 108 | 06/20/24 13:39 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.17608 | 109 | 06/20/24 13:39 | +/- 10.00% |
| | Copper | 2.00000 | 1.98824 | 99.4 | 06/20/24 13:39 | +/- 10.00% |
| | Lead | 2.00000 | 2.05350 | 103 | 06/20/24 13:39 | +/- 10.00% |
| | Zinc | 2.00000 | 2.00016 | 100 | 06/20/24 13:39 | +/- 10.00% |
| S4F0617-CCV5 | Antimony | 2.00000 | 2.03839 | 102 | 06/20/24 18:34 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.14489 | 107 | 06/20/24 18:34 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.11860 | 106 | 06/20/24 18:34 | +/- 10.00% |
| | Copper | 2.00000 | 1.98866 | 99.4 | 06/20/24 18:34 | +/- 10.00% |
| | Lead | 2.00000 | 2.03551 | 102 | 06/20/24 18:34 | +/- 10.00% |
| | Zinc | 2.00000 | 1.86145 | 93.1 | 06/20/24 18:34 | +/- 10.00% |
| S4F0617-CCV6 | Antimony | 2.00000 | 2.05100 | 103 | 06/20/24 19:12 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.11467 | 106 | 06/20/24 19:12 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.13037 | 107 | 06/20/24 19:12 | +/- 10.00% |
| | Copper | 2.00000 | 1.99161 | 99.6 | 06/20/24 19:12 | +/- 10.00% |
| | Lead | 2.00000 | 2.05746 | 103 | 06/20/24 19:12 | +/- 10.00% |
| | Zinc | 2.00000 | 1.89604 | 94.8 | 06/20/24 19:12 | +/- 10.00% |
| S4F0617-CCV7 | Antimony | 2.00000 | 2.05144 | 103 | 06/20/24 19:47 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.10498 | 105 | 06/20/24 19:47 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.10485 | 105 | 06/20/24 19:47 | +/- 10.00% |
| | Copper | 2.00000 | 1.97966 | 99.0 | 06/20/24 19:47 | +/- 10.00% |
| | Lead | 2.00000 | 2.03599 | 102 | 06/20/24 19:47 | +/- 10.00% |
| | Zinc | 2.00000 | 1.96910 | 98.5 | 06/20/24 19:47 | +/- 10.00% |
| S4F0617-CCV8 | Antimony | 2.00000 | 2.01985 | 101 | 06/20/24 20:34 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.11105 | 106 | 06/20/24 20:34 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.11761 | 106 | 06/20/24 20:34 | +/- 10.00% |
| | Copper | 2.00000 | 1.98110 | 99.1 | 06/20/24 20:34 | +/- 10.00% |
| | Lead | 2.00000 | 2.03690 | 102 | 06/20/24 20:34 | +/- 10.00% |
| | Zinc | 2.00000 | 2.09207 | 105 | 06/20/24 20:34 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4F0617

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4F0617-ICB1 | Antimony | 0.017532 | 0.02 | 0.04 | 06/20/24 10:52 | | EPA 6010B |
| | Arsenic | -0.005486 | 0.01 | 0.04 | 06/20/24 10:52 | U | EPA 6010B |
| | Cadmium | 7.50E-6 | 0.001 | 0.02 | 06/20/24 10:52 | | EPA 6010B |
| | Copper | -1.6621E-3 | 0.004 | 0.02 | 06/20/24 10:52 | U | EPA 6010B |
| | Lead | 0.001839 | 0.004 | 0.02 | 06/20/24 10:52 | | EPA 6010B |
| | Zinc | -0.020666 | 0.006 | 0.04 | 06/20/24 10:52 | U | EPA 6010B |
| S4F0617-CCB1 | Antimony | 0.008988 | 0.02 | 0.04 | 06/20/24 13:54 | | EPA 6010B |
| | Arsenic | 0.000995 | 0.01 | 0.04 | 06/20/24 13:54 | | EPA 6010B |
| | Cadmium | -0.005752 | 0.001 | 0.02 | 06/20/24 13:54 | U | EPA 6010B |
| | Copper | -0.001784 | 0.004 | 0.02 | 06/20/24 13:54 | U | EPA 6010B |
| | Lead | -0.012935 | 0.004 | 0.02 | 06/20/24 13:54 | U | EPA 6010B |
| | Zinc | -0.019325 | 0.006 | 0.04 | 06/20/24 13:54 | U | EPA 6010B |
| S4F0617-CCB5 | Antimony | 0.021991 | 0.02 | 0.04 | 06/20/24 18:37 | 3, B | EPA 6010B |
| | Arsenic | 0.006398 | 0.01 | 0.04 | 06/20/24 18:37 | | EPA 6010B |
| | Cadmium | -0.006395 | 0.001 | 0.02 | 06/20/24 18:37 | U | EPA 6010B |
| | Copper | -0.000317 | 0.004 | 0.02 | 06/20/24 18:37 | U | EPA 6010B |
| | Lead | -0.016658 | 0.004 | 0.02 | 06/20/24 18:37 | U | EPA 6010B |
| | Zinc | -0.018474 | 0.006 | 0.04 | 06/20/24 18:37 | U | EPA 6010B |
| S4F0617-CCB6 | Antimony | 0.015013 | 0.02 | 0.04 | 06/20/24 19:15 | | EPA 6010B |
| | Arsenic | 0.004115 | 0.01 | 0.04 | 06/20/24 19:15 | | EPA 6010B |
| | Cadmium | -0.005966 | 0.001 | 0.02 | 06/20/24 19:15 | U | EPA 6010B |
| | Copper | 0.000511 | 0.004 | 0.02 | 06/20/24 19:15 | | EPA 6010B |
| | Lead | -0.013909 | 0.004 | 0.02 | 06/20/24 19:15 | U | EPA 6010B |
| | Zinc | -0.017759 | 0.006 | 0.04 | 06/20/24 19:15 | U | EPA 6010B |
| S4F0617-CCB7 | Antimony | 0.013289 | 0.02 | 0.04 | 06/20/24 19:50 | | EPA 6010B |
| | Arsenic | 0.005541 | 0.01 | 0.04 | 06/20/24 19:50 | | EPA 6010B |
| | Cadmium | -0.005884 | 0.001 | 0.02 | 06/20/24 19:50 | U | EPA 6010B |
| | Copper | 0.000976 | 0.004 | 0.02 | 06/20/24 19:50 | | EPA 6010B |
| | Lead | -0.010905 | 0.004 | 0.02 | 06/20/24 19:50 | U | EPA 6010B |
| | Zinc | -0.017195 | 0.006 | 0.04 | 06/20/24 19:50 | U | EPA 6010B |
| S4F0617-CCB8 | Antimony | 0.023006 | 0.02 | 0.04 | 06/20/24 20:37 | 3, B | EPA 6010B |
| | Arsenic | -0.000107 | 0.01 | 0.04 | 06/20/24 20:37 | U | EPA 6010B |
| | Cadmium | -0.004712 | 0.001 | 0.02 | 06/20/24 20:37 | U | EPA 6010B |
| | Copper | 0.000647 | 0.004 | 0.02 | 06/20/24 20:37 | | EPA 6010B |
| | Lead | -0.013849 | 0.004 | 0.02 | 06/20/24 20:37 | U | EPA 6010B |
| | Zinc | -0.016687 | 0.006 | 0.04 | 06/20/24 20:37 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4F0617-IFA1 | Antimony | | 0.00568 | mg/L | | <0.04 | 6/20/24 11:01 |
| | Arsenic | | -0.00974 | mg/L | | <0.04 | 6/20/24 11:01 |
| | Cadmium | | 0.01035 | mg/L | | <0.02 | 6/20/24 11:01 |
| | Copper | | -0.00941 | mg/L | | <0.02 | 6/20/24 11:01 |
| | Lead | | -0.04499 | mg/L | | <0.02 | 6/20/24 11:01 |
| | Zinc | | -0.02524 | mg/L | | <0.04 | 6/20/24 11:01 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4F0617-IFB1 | Antimony | 0.500000 | 0.46311 | mg/L | 7 | ±20.00 % | 6/20/24 11:03 |
| | Arsenic | 0.500000 | 0.50991 | mg/L | -2 | ±20.00 % | 6/20/24 11:03 |
| | Cadmium | 0.500000 | 0.49735 | mg/L | 1 | ±20.00 % | 6/20/24 11:03 |
| | Copper | 0.500000 | 0.51038 | mg/L | -2 | ±20.00 % | 6/20/24 11:03 |
| | Lead | 0.500000 | 0.43668 | mg/L | 13 | ±20.00 % | 6/20/24 11:03 |
| | Zinc | 0.500000 | 0.41607 | mg/L | 17 | ±20.00 % | 6/20/24 11:03 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
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# CHAIN OF CUSTODY RECORD

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*Instructia n: Complete oll shoded areas .*

21 240101O

For Laboratory Use Only ATLCOC Ver:20210101

| Method of Transport | Sample Conditions Upon Receipt | | | | | |
|---|---|---|---|---|---|---|
| ☐ Client ☐ ATL | Condition | Y | N | Condition | Y | N |
| ☐ FedEx ☐ OnTrac | 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| ☐ GSO | 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| ☐ Other: | 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| | 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | | | Address: 100 W. Walnut Street | | Tel: |
| | | | City: Pasadena | State: CA Zip: 91124 | Fax: |
| SEND REPORT TO: | | | SEND INVOICE TO: ☐ same as SEND REPORT TO | | |
| Attn: Tom Blaney | Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | | Attn: | Email: | |
| Company: Parsons | | | Company: | | |
| Address: 100 W. Walnut Street | | | Address: | | |
| City: Pasadena | State: CA | Zip: 91124 | City: | State: | Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

| | | | |
|---|---|---|---|
| Project Name: DTSC Exide Residential | | Quote #: | |
| Site Address: 1142 S Alma Ave, Los Angeles 90023 | | Site ID: PIA-02880 | |
| Project No.: 684735 | | PO #: | |
| Sampler: Joshua Cottingham | | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As, Pb,Sb,Cd,Cu,Zn) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Container: Type: 1=Tube; 2=VOA; 3=Jar; 4=Print; 5=Air; 6=Sedar; 7=Canister | Container: Material: 1=Glass; 2=Plastic; 3=Metal | Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 =4C; 5=NaOH; 6=NaOH; 7=NaNO3 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PIA-02880-WC-A1A2 | PIA-02880-WC | 6/19/2024 | 1139 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | PIA-02880-WC-A1A2A3 | PIA-02880-WC | 6/19/2024 | 1140 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Josh Cottingham | 6-19-24 | 1442 | | 6/19/24 | 1442 |
| | 6/19/24 | 1550 | Dannyle | 6/19/24 | 1550 |
| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |



Table of Contents

# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0508
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0508 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0473 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0509
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0509 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0472 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0510
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0510 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0511
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0511 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0512
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0512 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0513
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0513 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0514
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4F0514 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0439 | na | 200.0000 |
| A3J0570 | 2325728-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0515
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0515 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0544
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 06/17/2024
**Date Expires:** 07/01/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4F0544 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3J0482 | 2222032-100 | 3.0000 |
| A0B0014 | 220015067 | 0.1500 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0554
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 06/19/2024
**Date Expires:** 07/03/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0554 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0555
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 06/19/2024
**Date Expires:** 07/03/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4F0555 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4F0554 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# Report Prepared For:

## Parsons

# Client Project Description:

PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

# ATL Work Order: 2401010

Date of Preparation: 07-24-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401010


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Work Order Number: 2401010


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Work Order Number: 2401010


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July 24, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401010

Client Reference : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Enclosed are the results for sample(s) received on June 19, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 07/24/24 08:05 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 07/24/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| PIA-02880-WC-A1A2 | 2401010-01 | Soil | 6/19/24 11:39 | 6/19/24 15:50 |
| PIA-02880-WC-A1A2A3 | 2401010-02 | Soil | 6/19/24 11:40 | 6/19/24 15:50 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 07/24/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on June 19th, 2024 at 15:50. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | | |
|---|---|---|
| Parsons | Project Number : | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : | Tom Blaney |
| Pasadena , CA 91124 | Reported : | 07/24/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| B3 | Analyte is detected in the associated method blank, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| B14 | Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary. |
| B13 | Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 07/24/2024 |

## TCLP Metals by ICP-AES EPA 6010B

**Analyte: Lead** **Analyst: JB**

| Laboratory ID | Client Sample ID | Result | Units | PQL | MDL | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 2401010-01 | PIA-02880-WC-A1A2 | **ND** | mg/L | 0.10 | 0.020 | 5 | B4G0836 | 07/19/2024 | 07/23/24 15:04 | U |

## STLC Metals by ICP-AES by EPA 6010B

**Analyte: Lead** **Analyst: JB**

| Laboratory ID | Client Sample ID | Result | Units | PQL | MDL | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 2401010-01 | PIA-02880-WC-A1A2 | **3.1** | mg/L | 0.10 | 0.020 | 5 | B4G0834 | 07/19/2024 | 07/23/24 13:54 | |

**Client Sample ID: PIA-02880-WC-A1A2**

**Lab ID: 2401010-01**

## Total Metals by ICP-AES EPA 6010B

**Analyst: ICP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **1.6** | 2.0 | 0.77 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | J |
| **Arsenic** | **3.7** | 2.0 | 0.71 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | |
| **Cadmium** | **2.4** | 1.0 | 0.06 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | |
| **Copper** | **36** | 1.0 | 0.22 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | |
| **Lead** | **100** | 1.0 | 0.18 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | |
| **Zinc** | **290** | 2.0 | 0.30 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:07 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 07/24/2024 |

**Client Sample ID: PIA-02880-WC-A1A2A3**

**Lab ID: 2401010-02**

**Total Metals by ICP-AES EPA 6010B** **Analyst: ICP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **1.9** | 2.0 | 0.77 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | J |
| **Arsenic** | **3.4** | 2.0 | 0.71 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | |
| **Cadmium** | **2.3** | 1.0 | 0.06 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | |
| **Copper** | **32** | 1.0 | 0.22 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | |
| **Lead** | **86** | 1.0 | 0.18 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | |
| **Zinc** | **180** | 2.0 | 0.30 | 1 | B4F0783 | 06/20/2024 | 06/20/24 20:10 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/24/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4F0783 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4F0783-BLK1)** | | | | | | Prepared: 6/18/2024 Analyzed: 6/20/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | ND | 1.0 | 0.22 | | | | | | | U |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4F0783-BS1)** | | | | | | Prepared: 6/18/2024 Analyzed: 6/20/2024 | | | | |
| Antimony | 26.5999 | 2.0 | 0.77 | 25.0000 | | 106 | 80 - 120 | | | |
| Arsenic | 24.4905 | 2.0 | 0.71 | 25.0000 | | 98.0 | 80 - 120 | | | |
| Cadmium | 24.8087 | 1.0 | 0.06 | 25.0000 | | 99.2 | 80 - 120 | | | |
| Copper | 22.9627 | 1.0 | 0.22 | 25.0000 | | 91.9 | 80 - 120 | | | |
| Lead | 23.8317 | 1.0 | 0.18 | 25.0000 | | 95.3 | 80 - 120 | | | |
| Zinc | 23.2993 | 2.0 | 0.30 | 25.0000 | | 93.2 | 80 - 120 | | | |
| **Matrix Spike (B4F0783-MS1)** | | | **Source: 2400989-01** | | | Prepared: 6/19/2024 Analyzed: 6/20/2024 | | | | |
| Antimony | 20.6778 | 2.0 | 0.77 | 25.0000 | 0.811822 | 79.5 | 75 - 125 | | | |
| Arsenic | 26.0665 | 2.0 | 0.71 | 25.0000 | 2.84605 | 92.9 | 75 - 125 | | | |
| Cadmium | 25.2505 | 1.0 | 0.06 | 25.0000 | 1.91348 | 93.3 | 75 - 125 | | | |
| Copper | 48.4458 | 1.0 | 0.22 | 25.0000 | 27.9454 | 82.0 | 75 - 125 | | | |
| Lead | 69.4350 | 1.0 | 0.18 | 25.0000 | 53.8438 | 62.4 | 75 - 125 | | | M2 |
| Zinc | 123.170 | 2.0 | 0.30 | 25.0000 | 114.051 | 36.5 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4F0783-MSD1)** | | | **Source: 2400989-01** | | | Prepared: 6/19/2024 Analyzed: 6/20/2024 | | | | |
| Antimony | 20.3450 | 2.0 | 0.77 | 25.0000 | 0.811822 | 78.1 | 75 - 125 | 1.62 | 20 | |
| Arsenic | 26.8704 | 2.0 | 0.71 | 25.0000 | 2.84605 | 96.1 | 75 - 125 | 3.04 | 20 | |
| Cadmium | 28.1038 | 1.0 | 0.06 | 25.0000 | 1.91348 | 105 | 75 - 125 | 10.7 | 20 | |
| Copper | 48.2442 | 1.0 | 0.22 | 25.0000 | 27.9454 | 81.2 | 75 - 125 | 0.417 | 20 | |
| Lead | 72.4694 | 1.0 | 0.18 | 25.0000 | 53.8438 | 74.5 | 75 - 125 | 4.28 | 20 | M2 |
| Zinc | 128.352 | 2.0 | 0.30 | 25.0000 | 114.051 | 57.2 | 75 - 125 | 4.12 | 20 | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/24/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4F0783 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4F0783-PS1)** | | | **Source: 2400989-01** | | Prepared: 6/18/2024 Analyzed: 6/20/2024 | | | | |
| Antimony | 0.490639 | | 0.500000 | 0.016236 | 94.9 | 75 - 125 | | | |
| Arsenic | 0.535991 | | 0.500000 | 0.056921 | 95.8 | 75 - 125 | | | |
| Cadmium | 0.545032 | | 0.500000 | 0.038270 | 101 | 75 - 125 | | | |
| Copper | 1.07497 | | 0.500000 | 0.558907 | 103 | 75 - 125 | | | |
| Lead | 1.53651 | | 0.500000 | 1.07688 | 91.9 | 75 - 125 | | | |
| Zinc | 2.70293 | | 0.500000 | 2.28103 | 84.4 | 75 - 125 | | | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/24/2024 |

## TCLP Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0836 - EPA 3010A_TCLP_S** | | | | | | | | | | |
| **Blank (B4G0836-BLK1)** | | | | | | Prepared: 7/19/2024 Analyzed: 7/23/2024 | | | | |
| Lead | ND | 0.10 | 0.020 | | | | | | | U |
| **LCS (B4G0836-BS1)** | | | | | | Prepared: 7/19/2024 Analyzed: 7/23/2024 | | | | |
| Lead | 0.463522 | 0.10 | 0.020 | 0.500000 | | 92.7 | 80 - 120 | | | |
| **Matrix Spike (B4G0836-MS1)** | | | **Source: 2401029-01** | | | Prepared: 7/19/2024 Analyzed: 7/23/2024 | | | | |
| Lead | 0.467979 | 0.10 | 0.020 | 0.500000 | ND | 93.6 | 75 - 125 | | | |
| **Matrix Spike Dup (B4G0836-MSD1)** | | | **Source: 2401029-01** | | | Prepared: 7/19/2024 Analyzed: 7/23/2024 | | | | |
| Lead | 0.443564 | 0.10 | 0.020 | 0.500000 | ND | 88.7 | 75 - 125 | 5.36 | 20 | |
| **Post Spike (B4G0836-PS1)** | | | **Source: 2401029-01** | | | Prepared: 7/19/2024 Analyzed: 7/23/2024 | | | | |
| Lead | 0.512808 | | | 0.500000 | 0.016520 | 99.3 | 75 - 125 | | | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/24/2024 |

## STLC Metals by ICP-AES by EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0834 - STLC_S Extraction** | | | | | | | | | | |
| **Blank (B4G0834-BLK1)** | | | | | | Prepared: 7/19/2024 Analyzed: 7/22/2024 | | | | |
| Lead | 0.025967 | 0.10 | 0.020 | | | | | | | B3, J |
| **LCS (B4G0834-BS1)** | | | | | | Prepared: 7/19/2024 Analyzed: 7/22/2024 | | | | |
| Lead | 0.499717 | 0.10 | 0.020 | 0.500000 | | 99.9 | 80 - 120 | | | |
| **Matrix Spike (B4G0834-MS1)** | | | **Source: 2400766-01** | | | Prepared: 7/19/2024 Analyzed: 7/23/2024 | | | | |
| Lead | 15.5386 | 0.10 | 0.020 | 0.500000 | 13.8052 | 347 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4G0834-MSD1)** | | | **Source: 2400766-01** | | | Prepared: 7/19/2024 Analyzed: 7/23/2024 | | | | |
| Lead | 14.3504 | 0.10 | 0.020 | 0.500000 | 13.8052 | 109 | 75 - 125 | 7.95 | 20 | |
| **Post Spike (B4G0834-PS1)** | | | **Source: 2400766-01** | | | Prepared: 7/19/2024 Analyzed: 7/23/2024 | | | | |
| Lead | 14.8364 | | | 0.500000 | 13.8052 | 206 | 75 - 125 | | | M2 |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instructia n: Complete oll shoded areas .*

21 240101O

For Laboratory Use Only ATLCOC Ver:20210101

| Method of Transport | Sample Conditions Upon Receipt | | | | | |
|---|---|---|---|---|---|---|
| ☐ Client ☐ ATL | Condition | Y | N | Condition | Y | N |
| ☐ FedEx ☐ OnTrac | 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| ☐ GSO | 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| ☐ Other: | 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| | 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | | | Address: 100 W. Walnut Street | | Tel: |
| | | | City: Pasadena | State: CA Zip: 91124 | Fax: |
| SEND REPORT TO: | | | SEND INVOICE TO: ☐ same as SEND REPORT TO | | |
| Attn: Tom Blaney | Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | | Attn: | Email: | |
| Company: Parsons | | | Company: | | |
| Address: 100 W. Walnut Street | | | Address: | | |
| City: Pasadena | State: CA | Zip: 91124 | City: | State: | Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

| | | | |
|---|---|---|---|
| Project Name: DTSC Exide Residential | | Quote #: | |
| Site Address: 1142 S Alma Ave, Los Angeles 90023 | | Site ID: PIA-02880 | |
| Project No.: 684735 | | PO #: | |
| Sampler: Joshua Cottingham | | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As, Pb,Sb,Cd,Cu,Zn) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1=Tube; 2=VOA, 3=Liter; 4=Pint; 5=Jar; 6=Bottle; 7=Canister | Material: 1=Glass; 2=Plastic; 3=Metal | Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 =4C; 5=NaOH; 6=NaOH, ZnNAOO3 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PIA-02880-WC-A1A2 | PIA-02880-WC | 6/19/2024 | 1139 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | PIA-02880-WC-A1A2A3 | PIA-02880-WC | 6/19/2024 | 1140 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Josh Cottingham | 6-19-24 | 1442 | [illegible] | 6/19/24 | 1442 |
| [illegible] | 6/19/24 | 1550 | Dannyle | 6/19/24 | 1550 |
| | | | | | |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Tuesday, July 9, 2024 9:20 AM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1342-WC-A1A2 (LAB REPORT 2401012): STLC and TCLP for lead
2. D1342-WC-A1A2A3 (LAB REPORT 2401012): STLC and TCLP for lead
3. PIA-02880-WC-A1A2 (LAB REPORT 2401010): STLC and TCLP for lead
4. RP1985-WC-A1A2 (LAB REPORT 2401014): STLC and TCLP for lead
5. RP1985-WC-A1A2A3 (LAB REPORT 2401014): STLC and TCLP for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# Sample Receiving Documents

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401010

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 07/16/2024 20:00 | Received in Lab: | 06/19/2024 15:50 |
| Received By: | Danny Le | Method of Delivery: | ATL Courier |
| Logged In By: | Ethan Tran | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401010-01 PIA-02880-WC-A1A2 [Soil] Sampled 06/19/2024 11:39** | | | |
| 6010_TCLP Ver: Pb | 07/16/2024 20:00 | 12/16/2024 00:00 | |
| 6010_STLC Ver: Pb | 07/16/2024 20:00 | 12/16/2024 00:00 | |
| 6010_Exide_6 Metals Ver: NONE | 07/16/2024 20:00 | 12/16/2024 00:00 | 1 |
| **2401010-02 PIA-02880-WC-A1A2A3 [Soil] Sampled 06/19/2024 11:40** | | | |
| 6010_Exide_6 Metals Ver: NONE | 07/16/2024 20:00 | 12/16/2024 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401010

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 17. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| PIA-02880-WC-A1A2 | 2401010-01 |
| PIA-02880-WC-A1A2A3 | 2401010-02 |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401010-01 | Laboratory ID: PIA-02880-WC-A1A2

Sampled: 06/19/24 11:39 | Prepared: 06/20/24 13:00 | Analyzed: 06/20/24 20:07

Batch: B4F0783 | Sequence: S4F0617 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.6 | 0.77 | 2.0 | 1 | J |
| 7440-38-2 | Arsenic | 3.7 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 2.4 | 0.06 | 1.0 | 1 | |
| 7440-50-8 | Copper | 36 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 100 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 290 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401010-02 | Laboratory ID: PIA-02880-WC-A1A2A3

Sampled: 06/19/24 11:40 | Prepared: 06/20/24 13:00 | Analyzed: 06/20/24 20:10

Batch: B4F0783 | Sequence: S4F0617 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.9 | 0.77 | 2.0 | 1 | J |
| 7440-38-2 | Arsenic | 3.4 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 2.3 | 0.06 | 1.0 | 1 | |
| 7440-50-8 | Copper | 32 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 86 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 180 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401010 |
| Client: | Parsons | Project: | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA |
| Batch: | B4F0783 Batch Matrix: Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| PIA-02880-WC-A1A2 | 2401010-01 | 06/20/24 13:00 | 1.00 | 50 |
| PIA-02880-WC-A1A2A3 | 2401010-02 | 06/20/24 13:00 | 1.00 | 50 |
| Blank | B4F0783-BLK1 | 06/18/24 16:36 | 1.00 | 50 |
| LCS | B4F0783-BS1 | 06/18/24 16:36 | 1.00 | 50 |
| Matrix Spike | B4F0783-MS1 | 06/19/24 08:40 | 1.00 | 50 |
| Matrix Spike Dup | B4F0783-MSD1 | 06/19/24 08:40 | 1.00 | 50 |
| Dilution Check | B4F0783-SRL1 | 06/18/24 16:36 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4F0783

**Extraction Method:** EPA 3050B_S

**Batch Start Date:** 06/20/2024 13:20 **Batch Analyst:** DL2

**Analysis Method:** EPA 6010B

**Batch End Date:** 06/20/2024 15:40

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401010-01 | PIA-02880-WC-A1A 2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401010-02 | PIA-02880-WC-A1A 2A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4F0783-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4F0783-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4F0783-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2400989-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4F0783-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2400989-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4F0783-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2400989-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4F0526 | Concentrated Nitric Acid | 1123090 |
| A4D0521 | 1:1 Nitric Acid | NA |
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |
| A4A0581 | Hydrogen Peroxide | K54376509 |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Dispenser ID | MPDISP02 | 347844 |
| Thermometer ID | MPTHERM 09 | 935128 |
| Pipette | MPP01 | 22E77439 |
| Digestion Unit | DB01 | 4507CEC2139 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Dispenser ID | MPDISP01 | 04K58398 |
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4F0783

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4F0783-BLK1 | Antimony | 0.167185 | 0.77 | 2.0 | 06/20/24 18:42 | U | EPA 6010B |
| | Arsenic | 0.496991 | 0.71 | 2.0 | 06/20/24 18:42 | U | EPA 6010B |
| | Cadmium | -0.318907 | 0.06 | 1.0 | 06/20/24 18:42 | U | EPA 6010B |
| | Copper | -0.038992 | 0.22 | 1.0 | 06/20/24 18:42 | U | EPA 6010B |
| | Lead | -0.851144 | 0.18 | 1.0 | 06/20/24 18:42 | U | EPA 6010B |
| | Zinc | -0.852354 | 0.30 | 2.0 | 06/20/24 18:42 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4F0783
Concentration Units: mg/kg
Laboratory ID: B4F0783-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 26.5999 | 25.0000 | 106 | | 80 - 120 |
| Arsenic | 24.4905 | 25.0000 | 98.0 | | 80 - 120 |
| Cadmium | 24.8087 | 25.0000 | 99.2 | | 80 - 120 |
| Copper | 22.9627 | 25.0000 | 91.9 | | 80 - 120 |
| Lead | 23.8317 | 25.0000 | 95.3 | | 80 - 120 |
| Zinc | 23.2993 | 25.0000 | 93.2 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Matrix: Soil
Instrument: ICP-16
Batch ID: B4F0783
Concentration Units: mg/kg
Source Sample Name: **2400989-01**

Laboratory ID: B4F0783-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Antimony | 0.811822 | 20.6778 | 25.0000 | 79.5 | | 75 - 125 |
| Arsenic | 2.84605 | 26.0665 | 25.0000 | 92.9 | | 75 - 125 |
| Cadmium | 1.91348 | 25.2505 | 25.0000 | 93.3 | | 75 - 125 |
| Copper | 27.9454 | 48.4458 | 25.0000 | 82.0 | | 75 - 125 |
| Lead | 53.8438 | 69.4350 | 25.0000 | 62.4 | M2 | 75 - 125 |
| Zinc | 114.051 | 123.170 | 25.0000 | 36.5 | M2 | 75 - 125 |

Laboratory ID: B4F0783-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Antimony | 20.3450 | 78.1 | 1.62 | 25.0000 | | 20 | 75 - 125 |
| Arsenic | 26.8704 | 96.1 | 3.04 | 25.0000 | | 20 | 75 - 125 |
| Cadmium | 28.1038 | 105 | 10.7 | 25.0000 | | 20 | 75 - 125 |
| Copper | 48.2442 | 81.2 | 0.417 | 25.0000 | | 20 | 75 - 125 |
| Lead | 72.4694 | 74.5 | 4.28 | 25.0000 | M2 | 20 | 75 - 125 |
| Zinc | 128.352 | 57.2 | 4.12 | 25.0000 | M2 | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4F0783

Concentration Units: mg/L

Source Sample Name: **2400989-01**

Laboratory ID: B4F0783-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4F0783-PS1 | | | | | | |
| Antimony | 0.016236 | 0.490639 | 0.500000 | 94.9 | | 75 - 125 |
| Arsenic | 0.056921 | 0.535991 | 0.500000 | 95.8 | | 75 - 125 |
| Cadmium | 0.038270 | 0.545032 | 0.500000 | 101 | | 75 - 125 |
| Copper | 0.558907 | 1.07497 | 0.500000 | 103 | | 75 - 125 |
| Lead | 1.07688 | 1.53651 | 0.500000 | 91.9 | | 75 - 125 |
| Zinc | 2.28103 | 2.70293 | 0.500000 | 84.4 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4F0617

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4F0617-IBL1 | 240620-02 RR-001 | 06/20/24 10:16 |
| Cal Standard | S4F0617-CAL1 | 240620-02 RR-002 | 06/20/24 10:19 |
| Cal Standard | S4F0617-CAL2 | 240620-02 RR-003 | 06/20/24 10:22 |
| Cal Standard | S4F0617-CAL3 | 240620-02 RR-004 | 06/20/24 10:25 |
| Cal Standard | S4F0617-CAL4 | 240620-02 RR-005 | 06/20/24 10:28 |
| Cal Standard | S4F0617-CAL5 | 240620-02 RR-006 | 06/20/24 10:31 |
| Cal Standard | S4F0617-CAL6 | 240620-02 RR-007 | 06/20/24 10:33 |
| Cal Standard | S4F0617-CAL7 | 240620-02 RR-008 | 06/20/24 10:36 |
| Initial Cal Check | S4F0617-ICV1 | 240620-02 RR-009 | 06/20/24 10:50 |
| Initial Cal Blank | S4F0617-ICB1 | 240620-02 RR-010 | 06/20/24 10:52 |
| Interference Check A | S4F0617-IFA1 | 240620-02 RR-012 | 06/20/24 11:01 |
| Interference Check B | S4F0617-IFB1 | 240620-02 RR-013 | 06/20/24 11:03 |
| Calibration Check | S4F0617-CCV1 | 240620-02 RR-014 | 06/20/24 13:39 |
| Calibration Blank | S4F0617-CCB1 | 240620-02 RR-015 | 06/20/24 13:54 |
| Calibration Check | S4F0617-CCV5 | 240620-02 RR-070 | 06/20/24 18:34 |
| Calibration Blank | S4F0617-CCB5 | 240620-02 RR-071 | 06/20/24 18:37 |
| Blank | B4F0783-BLK1 | 240620-02 RR-072 | 06/20/24 18:42 |
| LCS | B4F0783-BS1 | 240620-02 RR-074 | 06/20/24 18:49 |
| Matrix Spike | B4F0783-MS1 | 240620-02 RR-075 | 06/20/24 18:51 |
| Matrix Spike Dup | B4F0783-MSD1 | 240620-02 RR-076 | 06/20/24 18:54 |
| Post Spike | B4F0783-PS1 | 240620-02 RR-077 | 06/20/24 18:56 |
| Dilution Check | B4F0783-SRL1 | 240620-02 RR-078 | 06/20/24 18:59 |
| Calibration Check | S4F0617-CCV6 | 240620-02 RR-083 | 06/20/24 19:12 |
| Calibration Blank | S4F0617-CCB6 | 240620-02 RR-084 | 06/20/24 19:15 |
| Calibration Check | S4F0617-CCV7 | 240620-02 RR-095 | 06/20/24 19:47 |
| Calibration Blank | S4F0617-CCB7 | 240620-02 RR-096 | 06/20/24 19:50 |
| PIA-02880-WC-A1A2 | 2401010-01 | 240620-02 RR-097 | 06/20/24 20:07 |
| PIA-02880-WC-A1A2A3 | 2401010-02 | 240620-02 RR-098 | 06/20/24 20:10 |
| Calibration Check | S4F0617-CCV8 | 240620-02 RR-105 | 06/20/24 20:34 |
| Calibration Blank | S4F0617-CCB8 | 240620-02 RR-106 | 06/20/24 20:37 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16
ICV Source: A4F0515
Concentration Units: mg/L
CCV Source: A4F0512

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4F0617-ICV1 | Antimony | 0.500000 | 0.490331 | 98.1 | 06/20/24 10:50 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.492809 | 98.6 | 06/20/24 10:50 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.495648 | 99.1 | 06/20/24 10:50 | +/- 10.00% |
| | Copper | 0.500000 | 0.485383 | 97.1 | 06/20/24 10:50 | +/- 10.00% |
| | Lead | 0.500000 | 0.505324 | 101 | 06/20/24 10:50 | +/- 10.00% |
| | Zinc | 0.500000 | 0.542147 | 108 | 06/20/24 10:50 | +/- 10.00% |
| S4F0617-CCV1 | Antimony | 2.00000 | 2.05712 | 103 | 06/20/24 13:39 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.16896 | 108 | 06/20/24 13:39 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.17608 | 109 | 06/20/24 13:39 | +/- 10.00% |
| | Copper | 2.00000 | 1.98824 | 99.4 | 06/20/24 13:39 | +/- 10.00% |
| | Lead | 2.00000 | 2.05350 | 103 | 06/20/24 13:39 | +/- 10.00% |
| | Zinc | 2.00000 | 2.00016 | 100 | 06/20/24 13:39 | +/- 10.00% |
| S4F0617-CCV5 | Antimony | 2.00000 | 2.03839 | 102 | 06/20/24 18:34 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.14489 | 107 | 06/20/24 18:34 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.11860 | 106 | 06/20/24 18:34 | +/- 10.00% |
| | Copper | 2.00000 | 1.98866 | 99.4 | 06/20/24 18:34 | +/- 10.00% |
| | Lead | 2.00000 | 2.03551 | 102 | 06/20/24 18:34 | +/- 10.00% |
| | Zinc | 2.00000 | 1.86145 | 93.1 | 06/20/24 18:34 | +/- 10.00% |
| S4F0617-CCV6 | Antimony | 2.00000 | 2.05100 | 103 | 06/20/24 19:12 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.11467 | 106 | 06/20/24 19:12 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.13037 | 107 | 06/20/24 19:12 | +/- 10.00% |
| | Copper | 2.00000 | 1.99161 | 99.6 | 06/20/24 19:12 | +/- 10.00% |
| | Lead | 2.00000 | 2.05746 | 103 | 06/20/24 19:12 | +/- 10.00% |
| | Zinc | 2.00000 | 1.89604 | 94.8 | 06/20/24 19:12 | +/- 10.00% |
| S4F0617-CCV7 | Antimony | 2.00000 | 2.05144 | 103 | 06/20/24 19:47 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.10498 | 105 | 06/20/24 19:47 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.10485 | 105 | 06/20/24 19:47 | +/- 10.00% |
| | Copper | 2.00000 | 1.97966 | 99.0 | 06/20/24 19:47 | +/- 10.00% |
| | Lead | 2.00000 | 2.03599 | 102 | 06/20/24 19:47 | +/- 10.00% |
| | Zinc | 2.00000 | 1.96910 | 98.5 | 06/20/24 19:47 | +/- 10.00% |
| S4F0617-CCV8 | Antimony | 2.00000 | 2.01985 | 101 | 06/20/24 20:34 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.11105 | 106 | 06/20/24 20:34 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.11761 | 106 | 06/20/24 20:34 | +/- 10.00% |
| | Copper | 2.00000 | 1.98110 | 99.1 | 06/20/24 20:34 | +/- 10.00% |
| | Lead | 2.00000 | 2.03690 | 102 | 06/20/24 20:34 | +/- 10.00% |
| | Zinc | 2.00000 | 2.09207 | 105 | 06/20/24 20:34 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4F0617

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4F0617-ICB1 | Antimony | 0.017532 | 0.02 | 0.04 | 06/20/24 10:52 | | EPA 6010B |
| | Arsenic | -0.005486 | 0.01 | 0.04 | 06/20/24 10:52 | U | EPA 6010B |
| | Cadmium | 7.50E-6 | 0.001 | 0.02 | 06/20/24 10:52 | | EPA 6010B |
| | Copper | -1.6621E-3 | 0.004 | 0.02 | 06/20/24 10:52 | U | EPA 6010B |
| | Lead | 0.001839 | 0.004 | 0.02 | 06/20/24 10:52 | | EPA 6010B |
| | Zinc | -0.020666 | 0.006 | 0.04 | 06/20/24 10:52 | U | EPA 6010B |
| S4F0617-CCB1 | Antimony | 0.008988 | 0.02 | 0.04 | 06/20/24 13:54 | | EPA 6010B |
| | Arsenic | 0.000995 | 0.01 | 0.04 | 06/20/24 13:54 | | EPA 6010B |
| | Cadmium | -0.005752 | 0.001 | 0.02 | 06/20/24 13:54 | U | EPA 6010B |
| | Copper | -0.001784 | 0.004 | 0.02 | 06/20/24 13:54 | U | EPA 6010B |
| | Lead | -0.012935 | 0.004 | 0.02 | 06/20/24 13:54 | U | EPA 6010B |
| | Zinc | -0.019325 | 0.006 | 0.04 | 06/20/24 13:54 | U | EPA 6010B |
| S4F0617-CCB5 | Antimony | 0.021991 | 0.02 | 0.04 | 06/20/24 18:37 | 3, B | EPA 6010B |
| | Arsenic | 0.006398 | 0.01 | 0.04 | 06/20/24 18:37 | | EPA 6010B |
| | Cadmium | -0.006395 | 0.001 | 0.02 | 06/20/24 18:37 | U | EPA 6010B |
| | Copper | -0.000317 | 0.004 | 0.02 | 06/20/24 18:37 | U | EPA 6010B |
| | Lead | -0.016658 | 0.004 | 0.02 | 06/20/24 18:37 | U | EPA 6010B |
| | Zinc | -0.018474 | 0.006 | 0.04 | 06/20/24 18:37 | U | EPA 6010B |
| S4F0617-CCB6 | Antimony | 0.015013 | 0.02 | 0.04 | 06/20/24 19:15 | | EPA 6010B |
| | Arsenic | 0.004115 | 0.01 | 0.04 | 06/20/24 19:15 | | EPA 6010B |
| | Cadmium | -0.005966 | 0.001 | 0.02 | 06/20/24 19:15 | U | EPA 6010B |
| | Copper | 0.000511 | 0.004 | 0.02 | 06/20/24 19:15 | | EPA 6010B |
| | Lead | -0.013909 | 0.004 | 0.02 | 06/20/24 19:15 | U | EPA 6010B |
| | Zinc | -0.017759 | 0.006 | 0.04 | 06/20/24 19:15 | U | EPA 6010B |
| S4F0617-CCB7 | Antimony | 0.013289 | 0.02 | 0.04 | 06/20/24 19:50 | | EPA 6010B |
| | Arsenic | 0.005541 | 0.01 | 0.04 | 06/20/24 19:50 | | EPA 6010B |
| | Cadmium | -0.005884 | 0.001 | 0.02 | 06/20/24 19:50 | U | EPA 6010B |
| | Copper | 0.000976 | 0.004 | 0.02 | 06/20/24 19:50 | | EPA 6010B |
| | Lead | -0.010905 | 0.004 | 0.02 | 06/20/24 19:50 | U | EPA 6010B |
| | Zinc | -0.017195 | 0.006 | 0.04 | 06/20/24 19:50 | U | EPA 6010B |
| S4F0617-CCB8 | Antimony | 0.023006 | 0.02 | 0.04 | 06/20/24 20:37 | 3, B | EPA 6010B |
| | Arsenic | -0.000107 | 0.01 | 0.04 | 06/20/24 20:37 | U | EPA 6010B |
| | Cadmium | -0.004712 | 0.001 | 0.02 | 06/20/24 20:37 | U | EPA 6010B |
| | Copper | 0.000647 | 0.004 | 0.02 | 06/20/24 20:37 | | EPA 6010B |
| | Lead | -0.013849 | 0.004 | 0.02 | 06/20/24 20:37 | U | EPA 6010B |
| | Zinc | -0.016687 | 0.006 | 0.04 | 06/20/24 20:37 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4F0617-IFA1 | Antimony | | 0.00568 | mg/L | | <0.04 | 6/20/24 11:01 |
| | Arsenic | | -0.00974 | mg/L | | <0.04 | 6/20/24 11:01 |
| | Cadmium | | 0.01035 | mg/L | | <0.02 | 6/20/24 11:01 |
| | Copper | | -0.00941 | mg/L | | <0.02 | 6/20/24 11:01 |
| | Lead | | -0.04499 | mg/L | | <0.02 | 6/20/24 11:01 |
| | Zinc | | -0.02524 | mg/L | | <0.04 | 6/20/24 11:01 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4F0617
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4F0617-IFB1 | Antimony | 0.500000 | 0.46311 | mg/L | 7 | ±20.00 % | 6/20/24 11:03 |
| | Arsenic | 0.500000 | 0.50991 | mg/L | -2 | ±20.00 % | 6/20/24 11:03 |
| | Cadmium | 0.500000 | 0.49735 | mg/L | 1 | ±20.00 % | 6/20/24 11:03 |
| | Copper | 0.500000 | 0.51038 | mg/L | -2 | ±20.00 % | 6/20/24 11:03 |
| | Lead | 0.500000 | 0.43668 | mg/L | 13 | ±20.00 % | 6/20/24 11:03 |
| | Zinc | 0.500000 | 0.41607 | mg/L | 17 | ±20.00 % | 6/20/24 11:03 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Sample Data

# ANALYSIS DATA SHEET
# WET/EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil  Laboratory ID: 2401010-01  Laboratory ID: PIA-02880-WC-A1A2

Sampled: 06/19/24 11:39  Prepared: 07/19/24 13:31  Analyzed: 07/23/24 13:54

Batch: B4G0834  Sequence: S4G0613  Instrument: ICP-16

Preparation: STLC_S Extraction  Method: WET/EPA 6010B  Concentration Units: mg/L

Leach Batch: B4G0719  Leach Method: STLC_S Extraction

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3.1 | 0.020 | 0.10 | 5 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401010 |
| Client: | Parsons | Project: | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA |
| Batch: | B4G0834 Batch Matrix: Soil | Preparation: | STLC_S Extraction |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| PIA-02880-WC-A1A2 | 2401010-01 | 07/19/24 13:31 | 25.00 | 25 |
| Blank | B4G0834-BLK1 | 07/19/24 13:31 | 25.00 | 25 |
| LCS | B4G0834-BS1 | 07/19/24 13:31 | 25.00 | 25 |
| Matrix Spike | B4G0834-MS1 | 07/19/24 13:31 | 25.00 | 25 |
| Matrix Spike Dup | B4G0834-MSD1 | 07/19/24 13:31 | 25.00 | 25 |
| Dilution Check | B4G0834-SRL1 | 07/19/24 13:31 | 25.00 | 25 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0834

**Extraction Method:** STLC_S Extraction

**Batch Start Date:**

**Batch Analyst:** CH

**Analysis Method:** WET/EPA 6010B

**Batch End Date:**

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401010-01 | PIA-02880-WC-A1A 2 | 25.00 | 25.00 | | | | | | | | |
| B4G0834-BLK1 | Blank | 25.00 | 25.00 | | | | | | | | |
| B4G0834-BS1 | LCS | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | | | | | | |
| B4G0834-MS1 | Matrix Spike | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2400766-01 | | | | | |
| B4G0834-MSD1 | Matrix Spike Dup | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2400766-01 | | | | | |
| B4G0834-SRL1 | Dilution Check | 25.00 | 25.00 | | | 2400766-01 | | | | | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|

# METHOD BLANK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4G0834

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0834-BLK1 | Lead | 0.025967 | 0.020 | 0.10 | 07/22/24 21:49 | B3, J | WET/EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0834
Concentration Units: mg/L

Laboratory ID: B4G0834-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Lead | 0.499717 | 0.500000 | 99.9 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0834

Concentration Units: mg/L

Source Sample Name: **2400766-01**

Laboratory ID: B4G0834-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Lead | 13.8052 | 15.5386 | 0.500000 | 347 | M2 | 75 - 125 |

Laboratory ID: B4G0834-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Lead | 14.3504 | 109 | 7.95 | 0.500000 | | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0834

Concentration Units: mg/L

Source Sample Name: **2400766-01**

Laboratory ID: B4G0834-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0834-PS1 | | | | | | |
| Lead | 13.8052 | 14.8364 | 0.500000 | 206 | M2 | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4G0610

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0610-IBL1 | 240722-01 RR2-001 | 07/22/24 12:15 |
| Cal Standard | S4G0610-CAL1 | 240722-01 RR2-002 | 07/22/24 12:18 |
| Cal Standard | S4G0610-CAL2 | 240722-01 RR2-003 | 07/22/24 12:21 |
| Cal Standard | S4G0610-CAL3 | 240722-01 RR2-004 | 07/22/24 12:23 |
| Cal Standard | S4G0610-CAL4 | 240722-01 RR2-005 | 07/22/24 12:25 |
| Cal Standard | S4G0610-CAL5 | 240722-01 RR2-006 | 07/22/24 12:28 |
| Cal Standard | S4G0610-CAL6 | 240722-01 RR2-007 | 07/22/24 12:30 |
| Cal Standard | S4G0610-CAL7 | 240722-01 RR2-008 | 07/22/24 12:32 |
| Initial Cal Check | S4G0610-ICV1 | 240722-01 RR2-009 | 07/22/24 13:14 |
| Initial Cal Blank | S4G0610-ICB1 | 240722-01 RR2-010 | 07/22/24 13:17 |
| Interference Check A | S4G0610-IFA1 | 240722-01 RR2-012 | 07/22/24 13:56 |
| Interference Check B | S4G0610-IFB1 | 240722-01 RR2-013 | 07/22/24 13:58 |
| Calibration Check | S4G0610-CCV1 | 240722-01 RR2-038 | 07/22/24 15:07 |
| Calibration Blank | S4G0610-CCB1 | 240722-01 RR2-039 | 07/22/24 15:09 |
| Calibration Check | S4G0610-CCVD | 240722-01 RR2-179 | 07/22/24 21:24 |
| Calibration Blank | S4G0610-CCBD | 240722-01 RR2-180 | 07/22/24 21:26 |
| Blank | B4G0834-BLK1 | 240722-01 RR2-189 | 07/22/24 21:49 |
| LCS | B4G0834-BS1 | 240722-01 RR2-190 | 07/22/24 21:52 |
| Calibration Check | S4G0610-CCVE | 240722-01 RR2-191 | 07/22/24 21:54 |
| Calibration Blank | S4G0610-CCBE | 240722-01 RR2-192 | 07/22/24 21:56 |

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4G0613

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0613-IBL1 | 240723-01 RR-001 | 07/23/24 11:29 |
| Cal Standard | S4G0613-CAL1 | 240723-01 RR-002 | 07/23/24 11:31 |
| Cal Standard | S4G0613-CAL2 | 240723-01 RR-003 | 07/23/24 11:34 |
| Cal Standard | S4G0613-CAL3 | 240723-01 RR-004 | 07/23/24 11:36 |
| Cal Standard | S4G0613-CAL4 | 240723-01 RR-005 | 07/23/24 11:38 |
| Cal Standard | S4G0613-CAL5 | 240723-01 RR-006 | 07/23/24 11:40 |
| Cal Standard | S4G0613-CAL6 | 240723-01 RR-007 | 07/23/24 11:42 |
| Cal Standard | S4G0613-CAL7 | 240723-01 RR-008 | 07/23/24 11:45 |
| Initial Cal Check | S4G0613-ICV1 | 240723-01 RR-009 | 07/23/24 11:54 |
| Initial Cal Blank | S4G0613-ICB1 | 240723-01 RR-010 | 07/23/24 11:56 |
| Interference Check A | S4G0613-IFA1 | 240723-01 RR-012 | 07/23/24 12:02 |
| Interference Check B | S4G0613-IFB1 | 240723-01 RR-013 | 07/23/24 12:04 |
| Calibration Check | S4G0613-CCV1 | 240723-01 RR-014 | 07/23/24 12:45 |
| Calibration Blank | S4G0613-CCB1 | 240723-01 RR-015 | 07/23/24 12:50 |
| Matrix Spike | B4G0834-MS1 | 240723-01 RR-016 | 07/23/24 13:08 |
| Matrix Spike Dup | B4G0834-MSD1 | 240723-01 RR-017 | 07/23/24 13:10 |
| Post Spike | B4G0834-PS1 | 240723-01 RR-018 | 07/23/24 13:13 |
| Dilution Check | B4G0834-SRL1 | 240723-01 RR-019 | 07/23/24 13:15 |
| Calibration Check | S4G0613-CCV2 | 240723-01 RR-024 | 07/23/24 13:31 |
| Calibration Blank | S4G0613-CCB2 | 240723-01 RR-025 | 07/23/24 13:33 |
| PIA-02880-WC-A1A2 | 2401010-01 | 240723-01 RR-034 | 07/23/24 13:54 |
| Calibration Check | S4G0613-CCV3 | 240723-01 RR-036 | 07/23/24 13:59 |
| Calibration Blank | S4G0613-CCB3 | 240723-01 RR-037 | 07/23/24 14:01 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0610
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0610-ICV1 | Lead | 0.500000 | 0.537951 | 108 | 07/22/24 13:14 | +/- 10.00% |
| S4G0610-CCV1 | Lead | 2.00000 | 1.91829 | 95.9 | 07/22/24 15:07 | +/- 10.00% |
| S4G0610-CCVD | Lead | 2.00000 | 1.83265 | 91.6 | 07/22/24 21:24 | +/- 10.00% |
| S4G0610-CCVE | Lead | 2.00000 | 1.79942 | 90.0 | 07/22/24 21:54 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0613
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0613-ICV1 | Lead | 0.500000 | 0.530972 | 106 | 07/23/24 11:54 | +/- 10.00% |
| S4G0613-CCV1 | Lead | 2.00000 | 1.97165 | 98.6 | 07/23/24 12:45 | +/- 10.00% |
| S4G0613-CCV2 | Lead | 2.00000 | 1.96185 | 98.1 | 07/23/24 13:31 | +/- 10.00% |
| S4G0613-CCV3 | Lead | 2.00000 | 1.95273 | 97.6 | 07/23/24 13:59 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0610

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0610-ICB1 | Lead | 0.007345 | 0.0041 | 0.020 | 07/22/24 13:17 | | WET/EPA 6010B |
| S4G0610-CCB1 | Lead | 0.002579 | 0.0041 | 0.020 | 07/22/24 15:09 | | WET/EPA 6010B |
| S4G0610-CCBD | Lead | 0.005872 | 0.0041 | 0.020 | 07/22/24 21:26 | | WET/EPA 6010B |
| S4G0610-CCBE | Lead | 0.006445 | 0.0041 | 0.020 | 07/22/24 21:56 | | WET/EPA 6010B |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0613

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0613-ICB1 | Lead | 0.012560 | 0.0041 | 0.020 | 07/23/24 11:56 | | WET/EPA 6010B |
| S4G0613-CCB1 | Lead | 0.006066 | 0.0041 | 0.020 | 07/23/24 12:50 | | WET/EPA 6010B |
| S4G0613-CCB2 | Lead | 1.7888E-3 | 0.0041 | 0.020 | 07/23/24 13:33 | | WET/EPA 6010B |
| S4G0613-CCB3 | Lead | 0.000597 | 0.0041 | 0.020 | 07/23/24 14:01 | | WET/EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0610
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0610-IFA1 | Lead | | -0.05233 | mg/L | | <0.02 | 7/22/24 13:56 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0610
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0610-IFB1 | Lead | 0.500000 | 0.46669 | mg/L | 7 | ±20.00 % | 7/22/24 13:58 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0613
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0613-IFA1 | Lead | | -0.03475 | mg/L | | <0.02 | 7/23/24 12:02 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0613
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0613-IFB1 | Lead | 0.500000 | 0.45881 | mg/L | 8 | ±20.00 % | 7/23/24 12:04 |

# METHOD DETECTION AND REPORTING LIMITS
# WET/EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401010-01 | Laboratory ID: PIA-02880-WC-A1A2

Sampled: 06/19/24 11:39 | Prepared: 07/19/24 15:18 | Analyzed: 07/23/24 15:04

Batch: B4G0836 | Sequence: S4G0614 | Instrument: ICP-16

Preparation: EPA 3010A_TCLP_S | Method: EPA 6010B | Concentration Units: mg/L

Leach Batch: B4G0718 | Leach Method: EPA 1311_S

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | ND | 0.020 | 0.10 | 5 | U |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401010 |
| Client: | Parsons | Project: | PIA-02880 - 1142 S Alma Ave., Los Angeles, CA |
| Batch: | B4G0836 Batch Matrix: Soil | Preparation: | EPA 3010A_TCLP_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| PIA-02880-WC-A1A2 | 2401010-01 | 07/19/24 15:18 | 25.00 | 25 |
| Blank | B4G0836-BLK1 | 07/19/24 15:18 | 25.00 | 25 |
| LCS | B4G0836-BS1 | 07/19/24 15:18 | 25.00 | 25 |
| Matrix Spike | B4G0836-MS1 | 07/19/24 15:18 | 25.00 | 25 |
| Matrix Spike Dup | B4G0836-MSD1 | 07/19/24 15:18 | 25.00 | 25 |
| Dilution Check | B4G0836-SRL1 | 07/19/24 15:18 | 25.00 | 25 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0836

**Extraction Method:** EPA 3010A_TCLP_S

**Batch Start Date:** 07/19/2024 16:00 **Batch Analyst:** CH

**Analysis Method:** EPA 6010B

**Batch End Date:** 07/19/2024 18:04

| Lab Sample ID | Client Sample ID | Initial (mL) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401010-01 | PIA-02880-WC-A1A 2 | 25.00 | 25.00 | | | | | | | 1.5 mL | 2.5 mL |
| B4G0836-BLK1 | Blank | 25.00 | 25.00 | | | | | | | 1.5 mL | 2.5 mL |
| B4G0836-BS1 | LCS | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | | | | | 1.5 mL | 2.5 mL |
| B4G0836-MS1 | Matrix Spike | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401029-01 | | | | 1.5 mL | 2.5 mL |
| B4G0836-MSD1 | Matrix Spike Dup | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401029-01 | | | | 1.5 mL | 2.5 mL |
| B4G0836-SRL1 | Dilution Check | 25.00 | 25.00 | | | 2401029-01 | | | | 1.5 mL | 2.5 mL |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4G0398 | Concentrated Nitric Acid | 240238 |
| A4F0570 | 1:1 Hydrochloric Acid | NA |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4G0836

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0836-BLK1 | Lead | -0.006912 | 0.020 | 0.10 | 07/23/24 14:18 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0836

Concentration Units: mg/L

Laboratory ID: B4G0836-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Lead | 0.463522 | 0.500000 | 92.7 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 9002
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0836
Concentration Units: mg/L
Source Sample Name: **2401029-01**

Laboratory ID: B4G0836-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Lead | ND | 0.467979 | 0.500000 | 93.6 | | 75 - 125 |

Laboratory ID: B4G0836-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Lead | 0.443564 | 88.7 | 5.36 | 0.500000 | | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0836

Concentration Units: mg/L

Source Sample Name: **2401029-01**

Laboratory ID: B4G0836-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0836-PS1 | | | | | | |
| Lead | 0.016520 | 0.512808 | 0.500000 | 99.3 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4G0614

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0614-IBL1 | 240723-01 RR-001 | 07/23/24 11:29 |
| Cal Standard | S4G0614-CAL1 | 240723-01 RR-002 | 07/23/24 11:31 |
| Cal Standard | S4G0614-CAL2 | 240723-01 RR-003 | 07/23/24 11:34 |
| Cal Standard | S4G0614-CAL3 | 240723-01 RR-004 | 07/23/24 11:36 |
| Cal Standard | S4G0614-CAL4 | 240723-01 RR-005 | 07/23/24 11:38 |
| Cal Standard | S4G0614-CAL5 | 240723-01 RR-006 | 07/23/24 11:40 |
| Cal Standard | S4G0614-CAL6 | 240723-01 RR-007 | 07/23/24 11:42 |
| Cal Standard | S4G0614-CAL7 | 240723-01 RR-008 | 07/23/24 11:45 |
| Initial Cal Check | S4G0614-ICV1 | 240723-01 RR-009 | 07/23/24 11:54 |
| Initial Cal Blank | S4G0614-ICB1 | 240723-01 RR-010 | 07/23/24 11:56 |
| Interference Check A | S4G0614-IFA1 | 240723-01 RR-012 | 07/23/24 12:02 |
| Interference Check B | S4G0614-IFB1 | 240723-01 RR-013 | 07/23/24 12:04 |
| Calibration Check | S4G0614-CCV1 | 240723-01 RR-036 | 07/23/24 13:59 |
| Calibration Blank | S4G0614-CCB1 | 240723-01 RR-037 | 07/23/24 14:01 |
| Blank | B4G0836-BLK1 | 240723-01 RR-044 | 07/23/24 14:18 |
| LCS | B4G0836-BS1 | 240723-01 RR-045 | 07/23/24 14:20 |
| Calibration Check | S4G0614-CCV2 | 240723-01 RR-048 | 07/23/24 14:27 |
| Calibration Blank | S4G0614-CCB2 | 240723-01 RR-049 | 07/23/24 14:29 |
| Dilution Check | B4G0836-SRL1 | 240723-01 RR-051 | 07/23/24 14:34 |
| Calibration Check | S4G0614-CCV3 | 240723-01 RR-060 | 07/23/24 14:55 |
| Calibration Blank | S4G0614-CCB3 | 240723-01 RR-061 | 07/23/24 14:57 |
| PIA-02880-WC-A1A2 | 2401010-01 | 240723-01 RR-064 | 07/23/24 15:04 |
| Calibration Check | S4G0614-CCV4 | 240723-01 RR-072 | 07/23/24 15:23 |
| Calibration Blank | S4G0614-CCB4 | 240723-01 RR-073 | 07/23/24 15:25 |

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

Sequence: S4G0616

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0616-IBL1 | 240723-01 RR-001 | 07/23/24 11:29 |
| Cal Standard | S4G0616-CAL1 | 240723-01 RR-002 | 07/23/24 11:31 |
| Cal Standard | S4G0616-CAL2 | 240723-01 RR-003 | 07/23/24 11:34 |
| Cal Standard | S4G0616-CAL3 | 240723-01 RR-004 | 07/23/24 11:36 |
| Cal Standard | S4G0616-CAL4 | 240723-01 RR-005 | 07/23/24 11:38 |
| Cal Standard | S4G0616-CAL5 | 240723-01 RR-006 | 07/23/24 11:40 |
| Cal Standard | S4G0616-CAL6 | 240723-01 RR-007 | 07/23/24 11:42 |
| Cal Standard | S4G0616-CAL7 | 240723-01 RR-008 | 07/23/24 11:45 |
| Initial Cal Check | S4G0616-ICV1 | 240723-01 RR-009 | 07/23/24 11:54 |
| Initial Cal Blank | S4G0616-ICB1 | 240723-01 RR-010 | 07/23/24 11:56 |
| Interference Check A | S4G0616-IFA1 | 240723-01 RR-012 | 07/23/24 12:02 |
| Interference Check B | S4G0616-IFB1 | 240723-01 RR-013 | 07/23/24 12:04 |
| Calibration Check | S4G0616-CCV1 | 240723-01 RR-037 | 07/23/24 16:11 |
| Calibration Blank | S4G0616-CCB1 | 240723-01 RR-038 | 07/23/24 16:13 |
| Matrix Spike | B4G0836-MS1 | 240723-01 RR-046 | 07/23/24 16:40 |
| Matrix Spike Dup | B4G0836-MSD1 | 240723-01 RR-047 | 07/23/24 16:43 |
| Post Spike | B4G0836-PS1 | 240723-01 RR-048 | 07/23/24 16:46 |
| Calibration Check | S4G0616-CCV2 | 240723-01 RR-049 | 07/23/24 16:49 |
| Calibration Blank | S4G0616-CCB2 | 240723-01 RR-050 | 07/23/24 16:51 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0614
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0614-ICV1 | Lead | 0.500000 | 0.530972 | 106 | 07/23/24 11:54 | +/- 10.00% |
| S4G0614-CCV1 | Lead | 2.00000 | 1.95273 | 97.6 | 07/23/24 13:59 | +/- 10.00% |
| S4G0614-CCV2 | Lead | 2.00000 | 1.93806 | 96.9 | 07/23/24 14:27 | +/- 10.00% |
| S4G0614-CCV3 | Lead | 2.00000 | 1.96609 | 98.3 | 07/23/24 14:55 | +/- 10.00% |
| S4G0614-CCV4 | Lead | 2.00000 | 1.92020 | 96.0 | 07/23/24 15:23 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0616
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0616-ICV1 | Lead | 0.500000 | 0.530972 | 106 | 07/23/24 11:54 | +/- 10.00% |
| S4G0616-CCV1 | Lead | 2.00000 | 1.91400 | 95.7 | 07/23/24 16:11 | +/- 10.00% |
| S4G0616-CCV2 | Lead | 2.00000 | 1.92620 | 96.3 | 07/23/24 16:49 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0614

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0614-ICB1 | Lead | 0.012560 | 0.0041 | 0.020 | 07/23/24 11:56 | | EPA 6010B |
| S4G0614-CCB1 | Lead | 0.000597 | 0.0041 | 0.020 | 07/23/24 14:01 | | EPA 6010B |
| S4G0614-CCB2 | Lead | 0.000919 | 0.0041 | 0.020 | 07/23/24 14:29 | | EPA 6010B |
| S4G0614-CCB3 | Lead | 0.004003 | 0.0041 | 0.020 | 07/23/24 14:57 | | EPA 6010B |
| S4G0614-CCB4 | Lead | 0.000268 | 0.0041 | 0.020 | 07/23/24 15:25 | | EPA 6010B |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0616

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0616-ICB1 | Lead | 0.012560 | 0.0041 | 0.020 | 07/23/24 11:56 | | EPA 6010B |
| S4G0616-CCB1 | Lead | -0.002628 | 0.0041 | 0.020 | 07/23/24 16:13 | U | EPA 6010B |
| S4G0616-CCB2 | Lead | -0.000840 | 0.0041 | 0.020 | 07/23/24 16:51 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0614
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0614-IFA1 | Lead | | -0.03475 | mg/L | | <0.02 | 7/23/24 12:02 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0614
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0614-IFB1 | Lead | 0.500000 | 0.45881 | mg/L | 8 | ±20.00 % | 7/23/24 12:04 |

# INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0616
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0616-IFA1 | Lead | | -0.03475 | mg/L | | <0.02 | 7/23/24 12:02 |

# INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023
Sequence: S4G0616
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0616-IFB1 | Lead | 0.500000 | 0.45881 | mg/L | 8 | ±20.00 % | 7/23/24 12:04 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** PIA-02880 - 1142 S Alma Ave., Los Angeles, CA 90023

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Leachate Preparation Log

# Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instructia n: Complete oll shoded areas .*

21 240101O

For Laboratory Use Only ATLCOC Ver:20210101

| Method of Transport | Sample Conditions Upon Receipt | | | | | |
|---|---|---|---|---|---|---|
| ☐ Client ☐ ATL | Condition | Y | N | Condition | Y | N |
| ☐ FedEx ☐ OnTrac | 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| ☐ GSO | 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| ☐ Other: | 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| | 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | | | Address: 100 W. Walnut Street | | Tel: |
| | | | City: Pasadena | State: CA Zip: 91124 | Fax: |
| SEND REPORT TO: | | | SEND INVOICE TO: ☐ same as SEND REPORT TO | | |
| Attn: Tom Blaney | Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | | Attn: | Email: | |
| Company: Parsons | | | Company: | | |
| Address: 100 W. Walnut Street | | | Address: | | |
| City: Pasadena | State: CA | Zip: 91124 | City: | State: | Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

| | | | |
|---|---|---|---|
| Project Name: DTSC Exide Residential | | Quote #: | |
| Site Address: 1142 S Alma Ave, Los Angeles 90023 | | Site ID: PIA-02880 | |
| Project No.: 684735 | | PO #: | |
| Sampler: Joshua Cottingham | | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As, Pb,Sb,Cd,Cu,Zn) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1=Tube; 2=VOA, 3=Liter; 4=Pint; 5=Jar; 6=Bottle; 7=Canister | Material: 1=Glass; 2=Plastic; 3=Metal | Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 =4C; 5=NaOH; 6=NaOH, 7=NaAsO2 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | PIA-02880-WC-A1A2 | PIA-02880-WC | 6/19/2024 | 1139 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | PIA-02880-WC-A1A2A3 | PIA-02880-WC | 6/19/2024 | 1140 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Josh Cottingham | 6-19-24 | 1442 | | 6/19/24 | 1442 |
| | 6/19/24 | 1550 | Dannyle | 6/19/24 | 1550 |
| | | | | | |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Tuesday, July 9, 2024 9:20 AM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1342-WC-A1A2 (LAB REPORT 2401012): STLC and TCLP for lead
2. D1342-WC-A1A2A3 (LAB REPORT 2401012): STLC and TCLP for lead
3. PIA-02880-WC-A1A2 (LAB REPORT 2401010): STLC and TCLP for lead
4. RP1985-WC-A1A2 (LAB REPORT 2401014): STLC and TCLP for lead
5. RP1985-WC-A1A2A3 (LAB REPORT 2401014): STLC and TCLP for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0508
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0508 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0473 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0509
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0509 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0472 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0510
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0510 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0511
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0511 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0512
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0512 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0513
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0513 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0514
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4F0514 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0439 | na | 200.0000 |
| A3J0570 | 2325728-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0515
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 06/12/2024
**Date Expires:** 06/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0515 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0544
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 06/17/2024
**Date Expires:** 07/01/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4F0544 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3J0482 | 2222032-100 | 3.0000 |
| A0B0014 | 220015067 | 0.1500 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0554
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 06/19/2024
**Date Expires:** 07/03/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4F0554 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4F0555
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 06/19/2024
**Date Expires:** 07/03/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4F0555 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4F0554 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0417
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0417 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0473 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0418
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0418 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0472 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0419
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0419 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0420
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0420 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0421
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0421 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0422
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0422 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0423
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0423 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0439 | na | 200.0000 |
| A3J0570 | 2325728-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0424
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0424 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0432
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/15/2024
**Date Expires:** 07/29/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0432 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3J0482 | 2222032-100 | 3.0000 |
| A0B0014 | 220015067 | 0.1500 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0436
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0438
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0438 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0436 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

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July 16, 2024

AETL Job No: BFG0034
Received Date: 07/03/2024
Project Number: 684735

Parsons
100 West Walnut Street
Pasadena, CA 91124
Telephone: (626) 344-6565

Attention: Pete Shair

Project Name: DTSC Exide Residential

Site: A0355
3506 E 8th St.
Los Angeles, CA 90023

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Laboratory Director

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
*No duplication of this report is allowed, except in its entirety without written approval of the laboratory.*

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| | | | | |
|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0034 | Site: | A0355 |
| | Project Number: | 684735 | | 3506 E 8th St. |
| 100 West Walnut Street | Attention: | Pete Shair | | Los Angeles, CA 90023 |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 07/16/2024 12:01 |

# Data Validatable Report

## Work Order Case Narrative

## Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.

## Samples in this Report

| Lab ID | Sample | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| BFG0034-01 | A0355-WC-A1A2 | Soil | 07/03/2024 09:00 | 07/03/2024 |
| BFG0034-02 | A0355-WC-A1A2A3 | Soil | 07/03/2024 09:05 | 07/03/2024 |

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| | | | | |
|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0034 | Site: | A0355 |
| | Project Number: | 684735 | | 3506 E 8th St. |
| 100 West Walnut Street | Attention: | Pete Shair | | Los Angeles, CA 90023 |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 07/16/2024 12:01 |

## Containers Received

| Lab ID | Container Type | Count | Preservation Check |
|---|---|---|---|
| BFG0034-01 | | | |
| | Glass Jar - 8 oz | 1 | |
| BFG0034-02 | | | |
| | Glass Jar - 8 oz | 1 | |

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| | | | | | |
|---|---|---|---|---|---|
| Parsons | | AETL Job Number: | BFG0034 | Site: | A0355 |
| | | Project Number: | 684735 | | 3506 E 8th St. |
| 100 West Walnut Street | | Attention: | Pete Shair | | Los Angeles, CA 90023 |
| Pasadena, CA 91124 | | Project Name: | DTSC Exide Residential | Reported: | 07/16/2024 12:01 |

## Analytical Results

**Client ID:** **A0355-WC-A1A2**

**Lab ID:** **BFG0034-01 (Soil)** **Sampled:** **07/03/24 9:00**

### Metals Total

**Method: EPA 6010B**

| Analyte | Result | Qualifier | Dilution | MDL | RL | Units | Prepared Date/Time | Analyzed Date/Time | Batch | Analyst Initials | Prep. Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Antimony** | **1.15** | J | 1 | 0.779 | 1.94 | mg/kg | 07/03/24 16:31 | 07/11/24 12:12 | B4G0049 | LE | 3050B |
| **Arsenic** | **1.80** | J | 1 | 1.63 | 3.88 | mg/kg | 07/03/24 16:31 | 07/11/24 12:12 | B4G0049 | LE | 3050B |
| Cadmium | ND | | 1 | 0.324 | 1.94 | mg/kg | 07/03/24 16:31 | 07/11/24 12:12 | B4G0049 | LE | 3050B |
| **Copper** | **36.4** | | 1 | 2.15 | 3.88 | mg/kg | 07/03/24 16:31 | 07/11/24 12:12 | B4G0049 | LE | 3050B |
| **Lead** | **98.4** | | 1 | 0.298 | 1.94 | mg/kg | 07/03/24 16:31 | 07/11/24 12:12 | B4G0049 | LE | 3050B |
| **Zinc** | **156** | | 1 | 1.50 | 3.88 | mg/kg | 07/03/24 16:31 | 07/11/24 12:12 | B4G0049 | LE | 3050B |

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|---|---|---|---|---|---|
| Parsons | | AETL Job Number: | BFG0034 | Site: | A0355 |
| | | Project Number: | 684735 | | 3506 E 8th St. |
| 100 West Walnut Street | | Attention: | Pete Shair | | Los Angeles, CA 90023 |
| Pasadena, CA 91124 | | Project Name: | DTSC Exide Residential | Reported: | 07/16/2024 12:01 |

## Analytical Results

**Client ID:** **A0355-WC-A1A2A3**
**Lab ID:** **BFG0034-02 (Soil)** **Sampled:** **07/03/24 9:05**

### Metals Total

**Method: EPA 6010B**

| Analyte | Result | Qualifier | Dilution | MDL | RL | Units | Prepared Date/Time | Analyzed Date/Time | Batch | Analyst Initials | Prep. Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Antimony** | **2.58** | | 1 | 0.802 | 2.00 | mg/kg | 07/03/24 16:31 | 07/11/24 12:25 | B4G0049 | LE | 3050B |
| Arsenic | ND | | 1 | 1.68 | 4.00 | mg/kg | 07/03/24 16:31 | 07/11/24 12:25 | B4G0049 | LE | 3050B |
| Cadmium | ND | | 1 | 0.334 | 2.00 | mg/kg | 07/03/24 16:31 | 07/11/24 12:25 | B4G0049 | LE | 3050B |
| **Copper** | **33.2** | | 1 | 2.21 | 4.00 | mg/kg | 07/03/24 16:31 | 07/11/24 12:25 | B4G0049 | LE | 3050B |
| **Lead** | **84.9** | | 1 | 0.307 | 2.00 | mg/kg | 07/03/24 16:31 | 07/11/24 12:25 | B4G0049 | LE | 3050B |
| **Zinc** | **146** | | 1 | 1.54 | 4.00 | mg/kg | 07/03/24 16:31 | 07/11/24 12:25 | B4G0049 | LE | 3050B |

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|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0034 | Site: | A0355 | |
| | Project Number: | 684735 | | 3506 E 8th St. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Los Angeles, CA 90023 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 07/16/2024 12:01 | |

## Quality Control

### Metals Total

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Method: EPA 6010B*** | | | | | | | | | | |
| ***Batch: B4G0049 - 3050B*** | | | | | | | | | | |
| **Blank (B4G0049-BLK1)** | | | | | Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:03 | | | | | |
| Antimony | ND | 1.96 | 0.786 | mg/kg | | | | | | |
| Arsenic | ND | 3.92 | 1.65 | mg/kg | | | | | | |
| Cadmium | ND | 1.96 | 0.327 | mg/kg | | | | | | |
| Copper | ND | 3.92 | 2.17 | mg/kg | | | | | | |
| Lead | ND | 1.96 | 0.301 | mg/kg | | | | | | |
| Zinc | ND | 3.92 | 1.51 | mg/kg | | | | | | |
| **LCS (B4G0049-BS1)** | | | | | Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:06 | | | | | |
| Antimony | 86.8 | | 0.802 | mg/kg | 100 | | 86.8 | 80-120 | | |
| Arsenic | 83.4 | | 1.68 | mg/kg | 100 | | 83.4 | 80-120 | | |
| Cadmium | 102 | | 0.334 | mg/kg | 100 | | 102 | 80-120 | | |
| Copper | 102 | | 2.21 | mg/kg | 100 | | 102 | 80-120 | | |
| Lead | 101 | | 0.307 | mg/kg | 100 | | 101 | 80-120 | | |
| Zinc | 96.7 | | 1.54 | mg/kg | 100 | | 96.7 | 80-120 | | |
| **LCS Dup (B4G0049-BSD1)** | | | | | Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:09 | | | | | |
| Antimony | 88.1 | | 0.802 | mg/kg | 100 | | 88.1 | 80-120 | 1.53 | 15 |
| Arsenic | 86.2 | | 1.68 | mg/kg | 100 | | 86.2 | 80-120 | 3.28 | 15 |
| Cadmium | 102 | | 0.334 | mg/kg | 100 | | 102 | 80-120 | 0.551 | 15 |
| Copper | 103 | | 2.21 | mg/kg | 100 | | 103 | 80-120 | 0.977 | 15 |
| Lead | 100 | | 0.307 | mg/kg | 100 | | 100 | 80-120 | 0.322 | 15 |
| Zinc | 92.0 | | 1.54 | mg/kg | 100 | | 92.0 | 80-120 | 4.97 | 15 |
| **Duplicate (B4G0049-DUP1)** | | **Source: BFG0034-01** | | | Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:15 | | | | | |
| Antimony | 0.804 R, J | | 0.802 | mg/kg | | 1.15 | | | 35.0 | 15 |
| Arsenic | 1.69 J | | 1.68 | mg/kg | | 1.80 | | | 6.10 | 15 |
| Cadmium | ND | | 0.334 | mg/kg | | ND | | | | 15 |
| Copper | 36.7 | | 2.21 | mg/kg | | 36.4 | | | 0.906 | 15 |
| Lead | 102 | | 0.307 | mg/kg | | 98.4 | | | 3.29 | 15 |
| Zinc | 165 | | 1.54 | mg/kg | | 156 | | | 5.73 | 15 |

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|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0034 | Site: | A0355 | |
| | Project Number: | 684735 | | 3506 E 8th St. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Los Angeles, CA 90023 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 07/16/2024 12:01 | |

## Quality Control
**(Continued)**

### Metals Total (Continued)

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Matrix Spike (B4G0049-MS1)** | **Source: BFG0034-01** | | | Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:19 | | | | | | |
| Antimony | 1.79 M, J | | 0.794 | mg/kg | 99.0 | 1.15 | 0.650 | 70-130 | | |
| Arsenic | 1.89 M, J | | 1.66 | mg/kg | 99.0 | 1.80 | 0.0962 | 70-130 | | |
| Cadmium | ND M | | 0.331 | mg/kg | 99.0 | ND | | 70-130 | | |
| Copper | 54.8 M | | 2.19 | mg/kg | 99.0 | 36.4 | 18.7 | 70-130 | | |
| Lead | 100 M | | 0.304 | mg/kg | 99.0 | 98.4 | 1.82 | 70-130 | | |
| Zinc | 167 M | | 1.53 | mg/kg | 99.0 | 156 | 10.9 | 70-130 | | |
| **Matrix Spike Dup (B4G0049-MSD1)** | **Source: BFG0034-01** | | | Prepared: 07/03/2024 16:31 Analyzed: 07/11/2024 12:22 | | | | | | |
| Antimony | 1.51 J, M, R | | 0.786 | mg/kg | 98.0 | 1.15 | 0.374 | 70-130 | 16.8 | 15 |
| Arsenic | 2.28 J, M, R | | 1.65 | mg/kg | 98.0 | 1.80 | 0.494 | 70-130 | 18.6 | 15 |
| Cadmium | ND M | | 0.327 | mg/kg | 98.0 | ND | | 70-130 | | 15 |
| Copper | 40.2 M, R | | 2.17 | mg/kg | 98.0 | 36.4 | 3.93 | 70-130 | 30.8 | 15 |
| Lead | 100 M | | 0.301 | mg/kg | 98.0 | 98.4 | 1.85 | 70-130 | 0.0113 | 15 |
| Zinc | 172 M | | 1.51 | mg/kg | 98.0 | 156 | 16.0 | 70-130 | 2.93 | 15 |

***Method: EPA 6010B***

***Batch: S4G0006 - B4E0532***

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Instrument Blank (S4G0006-IBL1)** | | | | Prepared & Analyzed: 07/11/2024 09:44 | | | | | | |
| Antimony | 0.00 | | | mg/L | 0.00 | | | | | |
| Arsenic | 0.00 | | | mg/L | 0.00 | | | | | |
| Cadmium | 0.00 | | | mg/L | 0.00 | | | | | |
| Copper | 0.00 | | | mg/L | 0.00 | | | | | |
| Lead | 0.00 | | | mg/L | 0.00 | | | | | |
| Zinc | 0.00 | | | mg/L | 0.00 | | | | | |
| **Interference Check A (S4G0006-IFA1)** | | | | Prepared & Analyzed: 07/11/2024 10:42 | | | | | | |
| Antimony | 0.0258 | | | mg/L | 0.00 | | | 80-120 | | |
| Arsenic | 0.00749 | | | mg/L | 0.00 | | | 80-120 | | |
| Cadmium | -0.0170 | | | mg/L | 0.00 | | | 80-120 | | |
| Copper | -0.00418 | | | mg/L | 0.00 | | | 80-120 | | |
| Lead | 0.00137 | | | mg/L | 0.00 | | | 80-120 | | |
| Zinc | -0.00790 | | | mg/L | 0.00 | | | 80-120 | | |

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| | | | | | |
|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0034 | Site: | A0355 | |
| | Project Number: | 684735 | | 3506 E 8th St. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Los Angeles, CA 90023 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 07/16/2024 12:01 | |

## Quality Control
**(Continued)**

### Metals Total (Continued)

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| **Interference Check B (S4G0006-IFB1)** | | | | | Prepared & Analyzed: 07/11/2024 10:46 | | | | | |
| Antimony | 0.516 | | | mg/L | 0.500 | | 103 | 80-120 | | |
| Arsenic | 0.482 | | | mg/L | 0.500 | | 96.3 | 80-120 | | |
| Cadmium | 0.504 | | | mg/L | 0.500 | | 101 | 80-120 | | |
| Copper | 0.519 | | | mg/L | 0.500 | | 104 | 80-120 | | |
| Lead | 0.497 | | | mg/L | 0.500 | | 99.5 | 80-120 | | |
| Zinc | 0.514 | | | mg/L | 0.500 | | 103 | 80-120 | | |

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
*No duplication of this report is allowed, except in its entirety.*

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181
Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com
A KYZER LABS COMPANY

| | | | | |
|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0034 | Site: | A0355 |
| | Project Number: | 684735 | | 3506 E 8th St. |
| 100 West Walnut Street | Attention: | Pete Shair | | Los Angeles, CA 90023 |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 07/16/2024 12:01 |

## Qualifiers and Definitions

| Item | Qualifiers |
|---|---|
| J | Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL). |
| M | The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference. Laboratory Control Samples(LCS/LCSD) recovery were acceptable. |
| R | The RPD was outside of QC acceptance limits due to possible matrix interference. |

| Item | Definitions |
|---|---|
| % wt | Percent Weight |
| %REC | Percent Recovery |
| * | Value outside of control limits. |
| °F | Degrees Fahrenheit |
| AETL | American Environmental Testing Laboratory, LLC |
| C | Carbon |
| CARB | California Air Resources Board |
| COC | Chain of Custody |
| Cresols | 3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol. |
| CRM | Certified Reference Material |
| DI | Deionized Water |
| DPD | Department of Planning and Development |
| DRO | Diesel Range Organics |
| Dup | Duplicate |
| ELAP | Environmental Laboratory Accreditation Program |
| EPA | Environmental Protection Agency |
| GC/FID | Gas Chromatography Flame Ionization Detection |
| GRO | Gasoline Range Organics |
| HC | Hydrocarbon |
| HEM | Hexane Extractable Material |
| HMU | Hazardous Material Unit |
| ICP/MS | Inductively Coupled Plasma Mass Spectrometry |
| LACSD | Los Angeles County Sanitation Districts |
| LCS | Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes. |
| LCSD | Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample. |
| LOQ | Limit of Quantitation |
| MDL | Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound. |
| mg/kg | Miligrams per Kilogram |
| mg/L | Miligrams per Liter |

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A KYZER LABS COMPANY

| | | | | | |
|---|---|---|---|---|---|
| Parsons | | AETL Job Number: | BFG0034 | Site: | A0355 |
| | | Project Number: | 684735 | | 3506 E 8th St. |
| 100 West Walnut Street | | Attention: | Pete Shair | | Los Angeles, CA 90023 |
| Pasadena, CA 91124 | | Project Name: | DTSC Exide Residential | Reported: | 07/16/2024 12:01 |

| | |
|---|---|
| ml/L/hr | Milliliter per Liter per Hour |
| MRO | Motor oil Range Organics |
| MS | Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results. |
| MSD | Matrix Spike Duplicate - A replicate of Matrix Spike Sample. |
| N | No |
| ND | Analyte is not detected below Method Detection Limit. |
| ng/m3 | Nanograms per cubic meter |
| NIOSH | National Institute for Occupational Safety and Health |
| nL/L | Nanoliters per Liter |
| NTU | Nephelometric Turbidity Units |
| Ohm-cm | Ohms per centimeter |
| ORO | Oil Range Organics |
| OSHA | Occupational Safety and Health Administration |
| PCB | Polychlorinated Biphenyl |
| ppb v | Parts per billion by volume |
| ppmC | Parts per million Carbon |
| PSU | Practical Salinity Unit |
| Q | Qualifier Column |
| RL | Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ. |
| RPD | Relative Percent Difference |
| SIM | Selective Ion Monitoring |
| SM | Standard Method |
| SPLP | Synthetic Precipitation Leaching Procedure |
| STLC | Soluble Threshold Limit Concentration |
| TCLP | Toxicity Characteristic Leaching Procedure |
| TPH | Total Petroleum Hydrocarbons |
| TTLC | Total Threshold Limit Concentrations |
| ug/kg | Micrograms per Kilogram |
| ug/L | Micrograms per Liter |
| ug/m3 | Micrograms per cubic meter |
| WET | Waste Extraction Test |
| Y | Yes |
| ZHE | Zero Headspace Extraction |

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# WORK ORDER

**BFG0034**

Printed: 07/16/2024 12:01 pm

**Project:** **Exide Initial 200 Single Cleanup Unit (SCU)**
**Project Number:** **684735**
**Project Manager:** **Hailley Coleman**
**PO Number:**

**Report To:**

Parsons
Pete Shair
100 West Walnut Street
Pasadena, CA 91124
Phone: (626) 344-6565
Fax: (626)440-6200

**Invoice To:**

Parsons
Sarah King
100 W. Walnut St.
Pasadena, CA 91124
Phone: (626)440-6161
Fax: (626)440-6200

Date Received: 07/03/2024 03:30 PM
Date Due: 07/11/2024 (5.00 day TAT)

Logged In By: Greta Giragoosian
Received By: Greta Giragoosian

| Analysis | Comments |
|---|---|
| **BFG0034-01 A0355-WC-A1A2 [Soil] Sampled 7/3/2024 9:00:00AM** | |
| zzm_6010B_6 Metals | NONE |
| **BFG0034-02 A0355-WC-A1A2A3 [Soil] Sampled 7/3/2024 9:05:00AM** | |
| zzm_6010B_6 Metals | NONE |

**BFG0034** **Sample Receipt Log**

Default Cooler

Samples Received at: **26.3°C**

| | | | |
|---|---|---|---|
| Are the COCs Correct | Yes | Received on Ice | No |
| Labels Legible | Yes | | |
| COC/Labels Agree | Yes | | |
| Sufficient Sample Volume | Yes | | |
| Sample Labels intact | Yes | | |
| Containers In Good Condition | Yes | | |
| Samples Preserved Properly | Yes | | |
| Sufficient Holding Time for all Tests | Yes | | |

# AMERICAN ENVIRONMENTAL TESTING LABORATORY

A KYZEN LABS COMPANY

2840 North Naomi Street Burbank, CA 91504 · ELAP# 1541 & 2402 · LACSD# 10181
TEL (888) 288-AETL · (818) 845-8200 · www.aetlab.com

## CHAIN-OF-CUSTODY RECORD

AETL JOB No. BFC000344 Page 1 of 1

| | |
|---|---|
| Company: Parsons | Project Manager: Pete Shair / Linda McGlochlin |
| Company Address: 100 W. Walnut St, Pasadena, CA 91124 | Email: tom.blaney@parsons.com |
| Project Name: DTSC Exide Residential | **Project # 684735** |
| Site Property ID: A0355 | **PO #** |
| Site Address: 3506 E 8th St, Los Angeles CA 90023 | |
| Report To: tom.blaney@parsons.com<br>Report & EDD To:<br>carla.rodman@parsons.com; jennifer.trimm@parsons.com;<br>julie.rieth@parsons.com | |

BFC000344 ↓ 02

| Location ID | Start Depth (in) | End Depth (in) | Field Sample ID MUST BE UNIQUE | Sample Date | Sample Time | Sample Purpose N/FD | Sample Matrix | Sample Type Comp/Grab | # of Cont. | Field Filtered (Y/N) | | Analysis Requested: Metals (As,Pb,Cd,Cu,Zn,Sb) | Analysis Requested: Lead (6010B) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A0355-WC | 0 | 12 | A0355-WC-A1A2 | 7/3/24 | 0900 | N | Soil | C | 1 | N | | X | X | |
| A0355-WC | 0 | 18 | A0355-WC-A1A2A3 | 7/3/24 | 0905 | N | Soil | C | 1 | N | | X | X | |

**Requested Due Date/TAT:** _____ Normal 5-Day _____ 72 hours _____ 48 hours _____ 24 hours

**Deliverable Requested:** EQuIS DTSC_Cleanup EDD

**Level III/IV PDF:** Level III

| | | | |
|---|---|---|---|
| Sampler(s) Name: | Company: | Relinquished By (signature): | Sample Receipt Comments: |
| Relinquished By (signature): | | Printed Name: Pat A | Company: |
| Printed Name: Brenda B | Company: | Date/Time: 7-3-24 1530 | |
| Date/Time: 7/3/24 1415 | | Received By (signature): | |
| Received By (signature): | | Printed Name: Arthur Gregorian | Company: AETL |
| Printed Name: Pat A | Company: | Date/Time: 07-03-24 15:30 | |
| Date/Time: 7-3-24 1415 | | Sample Tracking No: | Samples Intact : Yes ☐ No ☐ |
| Shipment Method: | | | |

**Sample Type:** C = Composite; G = Grab **Sample Purpose:** N = Normal; FD = Field Duplicate **Soil Description:** BY = Backyard; FY = Front yard; SY = Side yard



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AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

# COOLER RECEIPT FORM

Client Name: Parsons

Project Name: DTSC Exide Residential Project No.: 684735

AETL Job Number: BFG0034

Date Received: 07/03/2024 Received by: Greta Giragoosian

Carrier: ☑ AETL Courier ☐ Client ☐ GSL ☐ FedEx ☐ UPS
☐Others:

**Samples were received in:** ☐ Cooler (_____) ☑ Other (Specify): Box

**Sample Container Temperature:** 26.3 °C IR Gun S/N: 51941911MV

**Type of sample containers:** VOA, Glass bottles, ✔Wide mouth jars, HDPE bottles, Metal sleeves, Acetate sleeves, 5035 Kit: AETL o r Client, Tedlar Bags, Summa Canister: 6L, 3L, 1L, Others (Specify): _____

**How are samples preserved:** ☑ None, ☐ Ice, ☐ Blue Ice, ☐ Dry Ice
☑ None, ☐ $HNO_3$, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$
☐ Other (Specify):

| | Yes | No* | N/A | Note or Comment |
|---|---|---|---|---|
| 1. Are the COCs Correct? | ✔ | | | |
| 2. Are Sample labels legible & indelible ink? | ✔ | | | |
| 3. Do samples match the COC? | ✔ | | | |
| 4. Are the required analyses clear? | ✔ | | | |
| 5. Is there enough samples for required analysis? | ✔ | | | |
| 6. Does cooler or samples have custody seal(s)? | | | ✔ | |
| 7. Are sample containers intact and in good condition? | ✔ | | | |
| 8. Are samples preserved? | | | ✔ | |
| 9. Are samples preserved properly for the intended analysis? | | | ✔ | |
| 10. Are the VOAs free of headspace? See footnote. | | | ✔ | |
| 11. Are the jars free of headspace? | | | ✔ | |
| 12. Are there any samples with short hold times? | | ✔ | | |

* = see note below. N/A = Not Applicable

***PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.***

◯ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.

# METALS

SAMPLE DATA

# SAMPLE DATA
# METALS

# FORM I
# ANALYSIS DATA SHEET
A0355-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | BFG0034-01 |
| Sampled: | 07/03/24 09:00 | | |
| % Solids: | 0.00 | | |

| Analyte | Concentration (mg/kg) | PQL | MDL | DF | Q | Batch | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Antimony | 1.15 | 1.94 | 0.779 | 1 | J | B4G0049 | 07/11/24 12:12 | EPA 6010B |
| Arsenic | 1.80 | 3.88 | 1.63 | 1 | J | B4G0049 | 07/11/24 12:12 | EPA 6010B |
| Cadmium | ND | 1.94 | 0.324 | 1 | | B4G0049 | 07/11/24 12:12 | EPA 6010B |
| Copper | 36.4 | 3.88 | 2.15 | 1 | | B4G0049 | 07/11/24 12:12 | EPA 6010B |
| Lead | 98.4 | 1.94 | 0.298 | 1 | | B4G0049 | 07/11/24 12:12 | EPA 6010B |
| Zinc | 156 | 3.88 | 1.50 | 1 | | B4G0049 | 07/11/24 12:12 | EPA 6010B |

# FORM I
# ANALYSIS DATA SHEET

A0355-WC-A1A2A3

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | BFG0034-02 |
| Sampled: | 07/03/24 09:05 | | |
| % Solids: | 0.00 | | |

| Analyte | Concentration (mg/kg) | PQL | MDL | DF | Q | Batch | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Antimony | 2.58 | 2.00 | 0.802 | 1 | | B4G0049 | 07/11/24 12:25 | EPA 6010B |
| Arsenic | ND | 4.00 | 1.68 | 1 | | B4G0049 | 07/11/24 12:25 | EPA 6010B |
| Cadmium | ND | 2.00 | 0.334 | 1 | | B4G0049 | 07/11/24 12:25 | EPA 6010B |
| Copper | 33.2 | 4.00 | 2.21 | 1 | | B4G0049 | 07/11/24 12:25 | EPA 6010B |
| Lead | 84.9 | 2.00 | 0.307 | 1 | | B4G0049 | 07/11/24 12:25 | EPA 6010B |
| Zinc | 146 | 4.00 | 1.54 | 1 | | B4G0049 | 07/11/24 12:25 | EPA 6010B |

# PREPARATION BATCH SUMMARY

## EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0034 |
| Client: | | | | Project: | 684735 |
| Batch: | B4G0049 | Batch Matrix: | Soil | Preparation: | 3050B |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. ml |
|---|---|---|---|---|
| Blank | B4G0049-BLK1 | 07/03/24 16:31 | 1.02 | 50.00 |
| LCS | B4G0049-BS1 | 07/03/24 16:31 | 1.00 | 50.00 |
| LCS Dup | B4G0049-BSD1 | 07/03/24 16:31 | 1.00 | 50.00 |
| A0355-WC-A1A2 | B4G0049-DUP1 | 07/03/24 16:31 | 1.00 | 50.00 |
| A0355-WC-A1A2 | B4G0049-MS1 | 07/03/24 16:31 | 1.01 | 50.00 |
| A0355-WC-A1A2 | B4G0049-MSD1 | 07/03/24 16:31 | 1.02 | 50.00 |
| A0355-WC-A1A2 | BFG0034-01 | 07/03/24 16:31 | 1.03 | 50.00 |
| A0355-WC-A1A2A3 | BFG0034-02 | 07/03/24 16:31 | 1.00 | 50.00 |

# PREPARATION BENCH SHEET

B4G0049

**AETL**

**Printed: 7/15/2024 10:25:26AM**

**Matrix: Soil** **Prepared using: METALS - 3050B** **(No Surrogate)**

| Lab Number | Analysis | Prepared | Initial (g) | Final (ml) | Spike ID | Source ID | ul Spike | ul Surrogate | Client | Extraction Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| B4G0049-BLK1 | QC | 07/03/2024 16:31 | 1.02 | 50 | | | | | | |
| B4G0049-BS1 | QC | 07/03/2024 16:31 | 1 | 50 | BE42111 | | 50000 | | | |
| B4G0049-BSD1 | QC | 07/03/2024 16:31 | 1 | 50 | BE42111 | | 50000 | | | |
| B4G0049-DUP1 | QC | 07/03/2024 16:31 | 1 | 50 | | BFG0034-01 | | | | |
| B4G0049-MS1 | QC | 07/03/2024 16:31 | 1.01 | 50 | BE42111 | BFG0034-01 | 50000 | | | |
| B4G0049-MSD1 | QC | 07/03/2024 16:31 | 1.02 | 50 | BE42111 | BFG0034-01 | 50000 | | | |
| BFG0034-01 | zzm_6010B_6 Metals | 07/03/2024 16:31 | 1.03 | 50 | | | | | Parsons | |
| BFG0034-02 | zzm_6010B_6 Metals | 07/03/2024 16:31 | 1 | 50 | | | | | Parsons | |
| BFG0035-01 | zzm_6010B_6 Metals | 07/03/2024 16:31 | 1.03 | 50 | | | | | Parsons | |
| BFG0035-02 | zzm_6010B_6 Metals | 07/03/2024 16:31 | 1.01 | 50 | | | | | Parsons | |
| BFG0047-01 | zzm_6010B_6 Metals | 07/03/2024 16:31 | 1.02 | 50 | | | | | Parsons | |
| BFG0047-02 | zzm_6010B_6 Metals | 07/03/2024 16:31 | 1.02 | 50 | | | | | Parsons | |

Pipette/Tip: 544461197/B107005
5Oml Tube: MP3971
HOTBLOCK: A
THERMOMETER: 935177
UNCOR TEMP: 94 C
COR TEMP: 95 C
DIGESTION STARTED: 08:30 hrs
TIME END: 10:30 hrs



iking Witnessed By — 7/3/24 Date

Preparation Reviewed By — 7/3/24 Date

Extracts Received By — 7/3/24 Date



Table of Contents

# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0034 |
| Client: | | | Project: | 684735 | |
| Matrix: | Soil | Laboratory ID: | B4G0049-BLK1 | File ID: | 07112024R.csv-027 |
| Sampled: | | Prepared: | 07/03/24 16:31 | Analyzed: | 07/11/24 12:03 |
| Solids: | | Preparation: | 3050B | Dilution: | 1 |
| Batch: | B4G0049 | Sequence: | S4G0006 | Calibration: | 4G12001 |
| Column: | 1 | | | | |

Instrument: OPTIMA8300

| ANALYTE | CONC. (mg/kg) | MDL | RL | Q |
|---|---|---|---|---|
| Antimony | ND | 0.786 | 1.96 | |
| Arsenic | ND | 1.65 | 3.92 | |
| Cadmium | ND | 0.327 | 1.96 | |
| Copper | ND | 2.17 | 3.92 | |
| Lead | ND | 0.301 | 1.96 | |
| Zinc | ND | 1.51 | 3.92 | |

# LCS / LCS DUPLICATE RECOVERY

EPA 6010B

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Preparation: | 3050B |
| Batch: | B4G0049 | Laboratory ID: | B4G0049-BS1 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (mg/kg) | LCS CONCENTRATION (mg/kg) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Antimony | 100 | 86.8 | 86.8 | 80 - 120 |
| Arsenic | 100 | 83.4 | 83.4 | 80 - 120 |
| Cadmium | 100 | 102 | 102 | 80 - 120 |
| Copper | 100 | 102 | 102 | 80 - 120 |
| Lead | 100 | 101 | 101 | 80 - 120 |
| Zinc | 100 | 96.7 | 96.7 | 80 - 120 |

| ANALYTE | SPIKE ADDED (mg/kg) | LCSD CONCENTRATION (mg/kg) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Antimony | 100 | 88.1 | 88.1 | 1.53 | 15 | 80 - 120 |
| Arsenic | 100 | 86.2 | 86.2 | 3.28 | 15 | 80 - 120 |
| Cadmium | 100 | 102 | 102 | 0.551 | 15 | 80 - 120 |
| Copper | 100 | 103 | 103 | 0.977 | 15 | 80 - 120 |
| Lead | 100 | 100 | 100 | 0.322 | 15 | 80 - 120 |
| Zinc | 100 | 92.0 | 92.0 | 4.97 | 15 | 80 - 120 |

# DUPLICATES

## A0355-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | B4G0049-DUP1 |
| Batch: | B4G0049 | Initial/Final: | 1 g / 50 ml |
| Preparation: | 3050B | Analysis: | EPA 6010B |
| % Solids: | | | |

| ANALYTE | SAMPLE CONC. (mg/kg) | DUPLICATE CONC. (mg/kg) | RPD % | Q | CONTROL LIMIT |
|---|---|---|---|---|---|
| Antimony | 1.15 | 0.804 | 35.0 | * | 15 |
| Arsenic | 1.80 | 1.69 | 6.10 | | 15 |
| Cadmium | ND | ND | | | 15 |
| Copper | 36.4 | 36.7 | 0.906 | | 15 |
| Lead | 98.4 | 102 | 3.29 | | 15 |
| Zinc | 156 | 165 | 5.73 | | 15 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

A0355-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Analysis: | EPA 6010B |
| Batch: | B4G0049 | Preparation: | 3050B |
| % Solids: | | Laboratory ID: | B4G0049-MS1 |
| Column: | | Sample Lab ID: | BFG0034-01 |

| ANALYTE | SPIKE ADDED (mg/kg) | SAMPLE CONCENTRATION (mg/kg) | MS CONCENTRATION (mg/kg) | MS % REC. | | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Antimony | 99.0 | 1.15 | 1.79 M, J | 0.650 | * | 70 - 130 |
| Arsenic | 99.0 | 1.80 | 1.89 M, J | 0.0962 | * | 70 - 130 |
| Cadmium | 99.0 | ND | 1.98 U | | * | 70 - 130 |
| Copper | 99.0 | 36.4 | 54.8 M | 18.7 | * | 70 - 130 |
| Lead | 99.0 | 98.4 | 100 M | 1.82 | * | 70 - 130 |
| Zinc | 99.0 | 156 | 167 M | 10.9 | * | 70 - 130 |

| ANALYTE | SPIKE ADDED (mg/kg) | MSD CONCENTRATION (mg/kg) | MSD % REC. # | | % RPD | | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|---|---|
| Antimony | 98.0 | 1.51 J, M, R | 0.374 | * | 16.8 | * * | 15 | 70 - 130 |
| Arsenic | 98.0 | 2.28 J, M, R | 0.494 | * | 18.6 | * * | 15 | 70 - 130 |
| Cadmium | 98.0 | 1.96 U | | * | | * | 15 | 70 - 130 |
| Copper | 98.0 | 40.2 M, R | 3.93 | * | 30.8 | * * | 15 | 70 - 130 |
| Lead | 98.0 | 100 M | 1.85 | * | 0.0113 | * | 15 | 70 - 130 |
| Zinc | 98.0 | 172 M | 16.0 | * | 2.93 | * | 15 | 70 - 130 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0034 |
| Client: | | Project: | 684735 |
| Sequence: | S4G0006 | Instrument: | OPTIMA8300 |
| Calibration: | 4G12001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0006-IBL1 | 07112024R.csv-001 | 07/11/24 09:44 |
| Cal Standard | S4G0006-CAL1 | 07112024R.csv-002 | 07/11/24 09:47 |
| Cal Standard | S4G0006-CAL2 | 07112024R.csv-003 | 07/11/24 09:50 |
| Cal Standard | S4G0006-CAL3 | 07112024R.csv-004 | 07/11/24 09:53 |
| Cal Standard | S4G0006-CAL4 | 07112024R.csv-005 | 07/11/24 09:56 |
| Cal Standard | S4G0006-CAL5 | 07112024R.csv-006 | 07/11/24 09:59 |
| Cal Standard | S4G0006-CAL6 | 07112024R.csv-007 | 07/11/24 10:02 |
| Initial Cal Check | S4G0006-ICV1 | 07112024R.csv-009 | 07/11/24 10:36 |
| Initial Cal Blank | S4G0006-ICB1 | 07112024R.csv-010 | 07/11/24 10:40 |
| Interference Check A | S4G0006-IFA1 | 07112024R.csv-011 | 07/11/24 10:42 |
| Interference Check B | S4G0006-IFB1 | 07112024R.csv-012 | 07/11/24 10:46 |
| Calibration Check | S4G0006-CCV1 | 07112024R.csv-013 | 07/11/24 10:53 |
| Calibration Blank | S4G0006-CCB1 | 07112024R.csv-014 | 07/11/24 10:57 |
| Blank | B4G0049-BLK1 | 07112024R.csv-027 | 07/11/24 12:03 |
| LCS | B4G0049-BS1 | 07112024R.csv-028 | 07/11/24 12:06 |
| LCS Dup | B4G0049-BSD1 | 07112024R.csv-029 | 07/11/24 12:09 |
| A0355-WC-A1A2 | BFG0034-01 | 07112024R.csv-030 | 07/11/24 12:12 |
| A0355-WC-A1A2 | B4G0049-DUP1 | 07112024R.csv-031 | 07/11/24 12:15 |
| A0355-WC-A1A2 | B4G0049-MS1 | 07112024R.csv-032 | 07/11/24 12:19 |
| A0355-WC-A1A2 | B4G0049-MSD1 | 07112024R.csv-033 | 07/11/24 12:22 |
| A0355-WC-A1A2A3 | BFG0034-02 | 07112024R.csv-034 | 07/11/24 12:25 |
| Calibration Check | S4G0006-CCV2 | 07112024R.csv-117 | 07/11/24 12:34 |
| Calibration Blank | S4G0006-CCB2 | 07112024R.csv-118 | 07/11/24 12:37 |
| Calibration Check | S4G0006-CCV3 | 07112024R.csv-066 | 07/11/24 13:14 |
| Calibration Blank | S4G0006-CCB3 | 07112024R.csv-067 | 07/11/24 13:18 |
| Calibration Check | S4G0006-CCV4 | 07112024R.csv-073 | 07/11/24 13:45 |
| Calibration Blank | S4G0006-CCB4 | 07112024R.csv-074 | 07/11/24 13:57 |
| Calibration Check | S4G0006-CCV5 | 07112024R.csv-085 | 07/11/24 14:38 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0034 |
| Client: | | Project: | 684735 |
| Sequence: | S4G0006 | Instrument: | OPTIMA8300 |
| Calibration: | 4G12001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Calibration Blank | S4G0006-CCB5 | 07112024R.csv-086 | 07/11/24 14:42 |
| Calibration Check | S4G0006-CCV6 | 07112024R.csv-097 | 07/11/24 15:36 |
| Calibration Blank | S4G0006-CCB6 | 07112024R.csv-098 | 07/11/24 15:39 |
| Calibration Check | S4G0006-CCV7 | 07112024R.csv-103 | 07/11/24 16:22 |
| Calibration Blank | S4G0006-CCB7 | 07112024R.csv-104 | 07/11/24 16:25 |

# INITIAL CALIBRATION VERIFICATION

## EPA 6010B

**Laboratory:** AETL
**SDG:** BFG0034
**Client:**
**Project:** 684735
**Calibration:** 4G12001
**Laboratory ID:** S4G0006-ICV1
**Sequence:** S4G0006
**Standard ID:** BE42111

| ANALYTE | EXPECTED (mg/L) | FOUND (mg/L) | % DRIFT | QC LIMIT |
|---|---|---|---|---|
| Antimony | 2.00 | 1.85 | -7.6 | 10.00 |
| Arsenic | 2.00 | 1.83 | -8.6 | 10.00 |
| Cadmium | 2.00 | 2.02 | 0.9 | 10.00 |
| Copper | 2.00 | 1.99 | -0.4 | 10.00 |
| Lead | 2.00 | 2.05 | 2.7 | 10.00 |
| Zinc | 2.00 | 1.91 | -4.5 | 10.00 |

* Values outside of QC limits

# INITIAL AND CONTINUING CALIBRATION CHECK

## EPA 6010B

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFG0034
Project: 684735
Calibration: 4G12001
Sequence: S4G0006

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4G0006-ICV1 | Antimony | 2.00 | 1.85 | 92.4 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 1.83 | 91.4 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 2.02 | 101 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 1.99 | 99.6 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 2.05 | 103 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 1.91 | 95.5 | mg/L | +/- 10.00% |
| S4G0006-CCV1 | Antimony | 2.00 | 1.85 | 92.3 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 1.99 | 99.3 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 2.00 | 100 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 1.97 | 98.3 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 2.03 | 101 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 1.86 | 93.0 | mg/L | +/- 10.00% |
| S4G0006-CCV2 | Antimony | 2.00 | 1.97 | 98.7 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 1.85 | 92.3 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 2.05 | 102 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 2.10 | 105 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 1.94 | 97.0 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 1.88 | 94.2 | mg/L | +/- 10.00% |
| S4G0006-CCV3 | Antimony | 2.00 | 1.86 | 93.0 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 1.83 | 91.6 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 1.97 | 98.3 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 1.93 | 96.3 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 1.97 | 98.6 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 1.89 | 94.7 | mg/L | +/- 10.00% |
| S4G0006-CCV4 | Antimony | 2.00 | 1.83 | 91.6 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 2.02 | 101 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 1.99 | 99.5 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 1.95 | 97.5 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 1.97 | 98.6 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 2.11 | 105 | mg/L | +/- 10.00% |
| S4G0006-CCV5 | Antimony | 2.00 | 1.82 | 91.0 | mg/L | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION CHECK

## EPA 6010B

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFG0034
Project: 684735
Calibration: 4G12001
Sequence: S4G0006

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4G0006-CCV5 | Arsenic | 2.00 | 2.00 | 100 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 1.93 | 96.7 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 1.92 | 96.2 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 1.91 | 95.3 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 2.03 | 101 | mg/L | +/- 10.00% |
| S4G0006-CCV6 | Antimony | 2.00 | 2.18 | 109 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 1.89 | 94.5 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 1.85 | 92.7 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 1.87 | 93.4 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 1.85 | 92.7 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 1.91 | 95.5 | mg/L | +/- 10.00% |
| S4G0006-CCV7 | Antimony | 2.00 | 1.88 | 93.8 | mg/L | +/- 10.00% |
| | Arsenic | 2.00 | 1.93 | 96.6 | mg/L | +/- 10.00% |
| | Cadmium | 2.00 | 2.00 | 99.8 | mg/L | +/- 10.00% |
| | Copper | 2.00 | 2.02 | 101 | mg/L | +/- 10.00% |
| | Lead | 2.00 | 1.96 | 98.0 | mg/L | +/- 10.00% |
| | Zinc | 2.00 | 1.86 | 92.8 | mg/L | +/- 10.00% |

# Blank Results

## EPA 6010B

Laboratory: AETL
Work Order: BFG0034
Client:
Project: 684735

| Lab Sample ID | Analyte | Found | Units | RL |
|---|---|---|---|---|
| S4G0006-ICB1 | Antimony | -0.00356 | mg/L | 0.0400 |
| | Arsenic | -0.00437 | mg/L | 0.0800 |
| | Cadmium | 0.00152 | mg/L | 0.0400 |
| | Copper | 0.00919 | mg/L | 0.0800 |
| | Lead | 0.000679 | mg/L | 0.0400 |
| | Zinc | 0.00567 | mg/L | 0.0800 |
| S4G0006-CCB1 | Antimony | 0.00761 | mg/L | 0.0400 |
| | Arsenic | 0.00968 | mg/L | 0.0800 |
| | Cadmium | 0.00183 | mg/L | 0.0400 |
| | Copper | 0.00853 | mg/L | 0.0800 |
| | Lead | -0.00369 | mg/L | 0.0400 |
| | Zinc | 0.00576 | mg/L | 0.0800 |
| S4G0006-CCB2 | Antimony | 0.0109 | mg/L | 0.0400 |
| | Arsenic | 0.00717 | mg/L | 0.0800 |
| | Cadmium | 0.00213 | mg/L | 0.0400 |
| | Copper | 0.0140 | mg/L | 0.0800 |
| | Lead | -0.00749 | mg/L | 0.0400 |
| | Zinc | 0.00311 | mg/L | 0.0800 |
| S4G0006-CCB3 | Antimony | 0.00805 | mg/L | 0.0400 |
| | Arsenic | 0.00529 | mg/L | 0.0800 |
| | Cadmium | 0.00176 | mg/L | 0.0400 |
| | Copper | 0.00922 | mg/L | 0.0800 |
| | Lead | 0.000376 | mg/L | 0.0400 |
| | Zinc | 0.00678 | mg/L | 0.0800 |
| S4G0006-CCB4 | Antimony | 0.00390 | mg/L | 0.0400 |
| | Arsenic | 0.00520 | mg/L | 0.0800 |
| | Cadmium | 0.000326 | mg/L | 0.0400 |
| | Copper | 0.00140 | mg/L | 0.0800 |
| | Lead | -0.00173 | mg/L | 0.0400 |
| | Zinc | 0.00342 | mg/L | 0.0800 |
| S4G0006-CCB5 | Antimony | -0.00162 | mg/L | 0.0400 |
| | Arsenic | 0.0124 | mg/L | 0.0800 |
| | Cadmium | 0.000513 | mg/L | 0.0400 |
| | Copper | 0.00412 | mg/L | 0.0800 |
| | Lead | -0.00898 | mg/L | 0.0400 |

# Blank Results

## EPA 6010B

Laboratory: AETL
Work Order: BFG0034
Client:
Project: 684735

| Lab Sample ID | Analyte | Found | Units | RL |
|---|---|---|---|---|
| S4G0006-CCB5 | Zinc | 0.00207 | mg/L | 0.0800 |
| S4G0006-CCB6 | Antimony | 0.00899 | mg/L | 0.0400 |
| | Arsenic | -0.00316 | mg/L | 0.0800 |
| | Cadmium | 0.000611 | mg/L | 0.0400 |
| | Copper | 0.00425 | mg/L | 0.0800 |
| | Lead | -0.00371 | mg/L | 0.0400 |
| | Zinc | -0.000107 | mg/L | 0.0800 |
| S4G0006-CCB7 | Antimony | -0.00229 | mg/L | 0.0400 |
| | Arsenic | 0.0144 | mg/L | 0.0800 |
| | Cadmium | 0.000408 | mg/L | 0.0400 |
| | Copper | 0.00690 | mg/L | 0.0800 |
| | Lead | -0.00678 | mg/L | 0.0400 |
| | Zinc | 0.00350 | mg/L | 0.0800 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4G12001 |
| Sequence: | S4G0006 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0006-IFA1 | Antimony | 0.00 | 0.02583 | mg/L | -100 | ±20.00 % | 7/11/24 10:42 |
| | Arsenic | 0.00 | 0.00749 | mg/L | -100 | ±20.00 % | 7/11/24 10:42 |
| | Cadmium | 0.00 | -0.01695 | mg/L | -100 | ±20.00 % | 7/11/24 10:42 |
| | Copper | 0.00 | -0.00418 | mg/L | -100 | ±20.00 % | 7/11/24 10:42 |
| | Lead | 0.00 | 0.00137 | mg/L | -100 | ±20.00 % | 7/11/24 10:42 |
| | Zinc | 0.00 | -0.00790 | mg/L | -100 | ±20.00 % | 7/11/24 10:42 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B

Laboratory: AETL
Work Order: BFG0034
Client:
Project: 684735
Instrument ID: OPTIMA8300
Calibration: 4G12001
Sequence: S4G0006

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0006-IFB1 | Antimony | 0.500 | 0.51611 | mg/L | 3 | ±20.00 % | 7/11/24 10:46 |
| | Arsenic | 0.500 | 0.48172 | mg/L | -4 | ±20.00 % | 7/11/24 10:46 |
| | Cadmium | 0.500 | 0.50362 | mg/L | 1 | ±20.00 % | 7/11/24 10:46 |
| | Copper | 0.500 | 0.51939 | mg/L | 4 | ±20.00 % | 7/11/24 10:46 |
| | Lead | 0.500 | 0.49744 | mg/L | -1 | ±20.00 % | 7/11/24 10:46 |
| | Zinc | 0.500 | 0.51414 | mg/L | 3 | ±20.00 % | 7/11/24 10:46 |

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Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com
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July 25, 2024

AETL Job No: BFG0034 Rev. 01
Received Date: 07/03/2024
Project Number: 684735

Parsons
100 West Walnut Street
Pasadena, CA 91124
Telephone: (626) 344-6565

Attention: Pete Shair

Project Name: DTSC Exide Residential

Site: A0355
3506 E 8th St.
Los Angeles, CA 90023

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Laboratory Director

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
*No duplication of this report is allowed, except in its entirety without written approval of the laboratory.*

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Revised and Reissued

Rev. 01

| | | | | |
|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0034 | Site: | A0355 |
| | Project Number: | 684735 | | 3506 E 8th St. |
| 100 West Walnut Street | Attention: | Pete Shair | | Los Angeles, CA 90023 |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 07/25/2024 13:56 |

# Data Validatable Report

## Work Order Case Narrative

## Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.

This report contains additional data to the report previously submitted. The analyses added are STLC-6010B-Pb and TCLP-6010B-Pb and were added to sample BFG0034-01 per client request on 7/17/24. This document is the official version and is in addition to the earlier report.

## Samples in this Report

| Lab ID | Sample | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| BFG0034-01 | A0355-WC-A1A2 | Soil | 07/03/2024 09:00 | 07/03/2024 |

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
*No duplication of this report is allowed, except in its entirety.*

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Revised and Reissued

Rev. 01

| | | | | | |
|---|---|---|---|---|---|
| Parsons | | AETL Job Number: | BFG0034 | Site: | A0355 |
| | | Project Number: | 684735 | | 3506 E 8th St. |
| 100 West Walnut Street | | Attention: | Pete Shair | | Los Angeles, CA 90023 |
| Pasadena, CA 91124 | | Project Name: | DTSC Exide Residential | Reported: | 07/25/2024 13:56 |

## Containers Received

| Lab ID | Container Type | Count | Preservation Check |
|---|---|---|---|
| BFG0034-01 | | | |
| | Glass Jar - 8 oz | 1 | |
| BFG0034-02 | | | |
| | Glass Jar - 8 oz | 1 | |

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Rev. 01

| | | | | | |
|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0034 | Site: | A0355 | |
| | Project Number: | 684735 | | 3506 E 8th St. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Los Angeles, CA 90023 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 07/25/2024 13:56 | |

## Analytical Results

**Client ID:** **A0355-WC-A1A2**

**Lab ID:** **BFG0034-01 (Soil)** **Sampled:** **07/03/24 9:00**

| Analyte | Result | Qualifier | Dilution | MDL | RL | Units | Prepared Date/Time | Analyzed Date/Time | Batch | Analyst Initials | Prep. Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **STLC Analysis** | | | | | | | | | | | |
| **Method: EPA 6010B-STLC** | | | | | | | | | | | |
| **Lead** | **2.74** | D | 2 | 0.328 | 0.800 | mg/L | 07/24/24 08:28 | 07/24/24 12:10 | B4G0285 | LE | STLC- ICP |
| **TCLP Analysis** | | | | | | | | | | | |
| **Method: EPA 6010B-1311 TCLP** | | | | | | | | | | | |
| Lead | ND | | 1 | 0.0461 | 0.200 | mg/L | 07/19/24 09:52 | 07/22/24 11:52 | B4G0234 | LE | 1311- ICP |

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
*No duplication of this report is allowed, except in its entirety.*

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| | | | | | |
|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0034 | Site: | A0355 | |
| | Project Number: | 684735 | | 3506 E 8th St. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Los Angeles, CA 90023 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 07/25/2024 13:56 | |

## Quality Control

### STLC Analysis

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Method: EPA 6010B-STLC*** | | | | | | | | | | |
| ***Batch: B4G0285 - STLC- ICP*** | | | | | | | | | | |
| **Blank (B4G0285-BLK1)** | | | | | Prepared & Analyzed: 07/24/2024 12:01 | | | | | |
| Lead | ND D | 0.800 | 0.328 | mg/L | | | | | | |
| **LCS (B4G0285-BS1)** | | | | | Prepared & Analyzed: 07/24/2024 12:04 | | | | | |
| Lead | 18.4 D | | 0.328 | mg/L | 20.0 | | 92.2 | 80-120 | | |
| **LCS Dup (B4G0285-BSD1)** | | | | | Prepared & Analyzed: 07/24/2024 12:07 | | | | | |
| Lead | 19.0 D | | 0.328 | mg/L | 20.0 | | 95.2 | 80-120 | 3.23 | 15 |
| **Duplicate (B4G0285-DUP1)** | **Source: BFG0034-01** | | | | Prepared & Analyzed: 07/24/2024 12:14 | | | | | |
| Lead | 2.71 D | | 0.328 | mg/L | | 2.74 | | | 1.12 | 15 |
| **Matrix Spike (B4G0285-MS1)** | **Source: BFG0034-01** | | | | Prepared & Analyzed: 07/24/2024 12:17 | | | | | |
| Lead | 20.0 D | | 0.328 | mg/L | 20.0 | 2.74 | 86.1 | 70-130 | | |
| **Matrix Spike Dup (B4G0285-MSD1)** | **Source: BFG0034-01** | | | | Prepared & Analyzed: 07/24/2024 12:20 | | | | | |
| Lead | 20.0 D | | 0.328 | mg/L | 20.0 | 2.74 | 86.3 | 70-130 | 0.271 | 15 |
| ***Method: EPA 6010B-STLC*** | | | | | | | | | | |
| ***Batch: S4G0015 - B4G0190*** | | | | | | | | | | |
| **Instrument Blank (S4G0015-IBL1)** | | | | | Prepared & Analyzed: 07/24/2024 08:21 | | | | | |
| Lead | 0.00 | | | mg/L | 0.00 | | | | | |
| **Interference Check A (S4G0015-IFA1)** | | | | | Prepared & Analyzed: 07/24/2024 09:16 | | | | | |
| Lead | 0.00105 | | | mg/L | 0.00 | | | 80-120 | | |
| **Interference Check B (S4G0015-IFB1)** | | | | | Prepared & Analyzed: 07/24/2024 09:20 | | | | | |
| Lead | 0.495 | | | mg/L | 0.500 | | 99.1 | 80-120 | | |

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A KYZER LABS COMPANY

Revised and Reissued

Rev. 01

| | | | | | |
|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0034 | Site: | A0355 | |
| | Project Number: | 684735 | | 3506 E 8th St. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Los Angeles, CA 90023 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 07/25/2024 13:56 | |

## Quality Control
**(Continued)**

### TCLP Analysis

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Method: EPA 6010B-1311 TCLP*** | | | | | | | | | | |
| ***Batch: B4G0234 - 1311- ICP*** | | | | | | | | | | |
| **Blank (B4G0234-BLK1)** | | | | | Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 11:42 | | | | | |
| Lead | ND | 0.200 | 0.0461 | mg/L | | | | | | |
| **LCS (B4G0234-BS1)** | | | | | Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 11:46 | | | | | |
| Lead | 9.75 | | 0.0461 | mg/L | 10.0 | | 97.5 | 80-120 | | |
| **LCS Dup (B4G0234-BSD1)** | | | | | Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 11:49 | | | | | |
| Lead | 9.72 | | 0.0461 | mg/L | 10.0 | | 97.2 | 80-120 | 0.315 | 15 |
| **Duplicate (B4G0234-DUP1)** | | **Source: BFG0034-01** | | | Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 11:55 | | | | | |
| Lead | 0.0491 J | | 0.0461 | mg/L | | ND | | | | 15 |
| **Matrix Spike (B4G0234-MS1)** | | **Source: BFG0034-01** | | | Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 11:59 | | | | | |
| Lead | 9.71 | | 0.0461 | mg/L | 10.0 | ND | 97.1 | 70-130 | | |
| **Matrix Spike Dup (B4G0234-MSD1)** | | **Source: BFG0034-01** | | | Prepared: 07/19/2024 09:52 Analyzed: 07/22/2024 12:02 | | | | | |
| Lead | 9.29 | | 0.0461 | mg/L | 10.0 | ND | 92.9 | 70-130 | 4.45 | 15 |
| ***Method: EPA 6010B-1311 TCLP*** | | | | | | | | | | |
| ***Batch: S4G0013 - B4G0091*** | | | | | | | | | | |
| **Instrument Blank (S4G0013-IBL1)** | | | | | Prepared & Analyzed: 07/22/2024 09:59 | | | | | |
| Lead | 0.00 | | | mg/L | 0.00 | | | | | |
| **Interference Check A (S4G0013-IFA1)** | | | | | Prepared & Analyzed: 07/22/2024 10:41 | | | | | |
| Lead | 0.0101 | | | mg/L | 0.00 | | | 0-200 | | |
| **Interference Check B (S4G0013-IFB1)** | | | | | Prepared & Analyzed: 07/22/2024 10:48 | | | | | |
| Lead | 0.481 | | | mg/L | 0.500 | | 96.1 | 0-200 | | |

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|---|---|---|---|---|---|
| Parsons | | AETL Job Number: | BFG0034 | Site: | A0355 |
| | | Project Number: | 684735 | | 3506 E 8th St. |
| 100 West Walnut Street | | Attention: | Pete Shair | | Los Angeles, CA 90023 |
| Pasadena, CA 91124 | | Project Name: | DTSC Exide Residential | Reported: | 07/25/2024 13:56 |

## Qualifiers and Definitions

| Item | Qualifiers |
|---|---|
| D | Sample was analyzed under dilution due to matrix interference. |
| J | Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Reporting Limit (RL). |

| Item | Definitions |
|---|---|
| % wt | Percent Weight |
| %REC | Percent Recovery |
| * | Value outside of control limits. |
| °F | Degrees Fahrenheit |
| AETL | American Environmental Testing Laboratory, LLC |
| C | Carbon |
| CARB | California Air Resources Board |
| COC | Chain of Custody |
| Cresols | 3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol. |
| CRM | Certified Reference Material |
| DI | Deionized Water |
| DPD | Department of Planning and Development |
| DRO | Diesel Range Organics |
| Dup | Duplicate |
| ELAP | Environmental Laboratory Accreditation Program |
| EPA | Environmental Protection Agency |
| GC/FID | Gas Chromatography Flame Ionization Detection |
| GRO | Gasoline Range Organics |
| HC | Hydrocarbon |
| HEM | Hexane Extractable Material |
| HMU | Hazardous Material Unit |
| ICP/MS | Inductively Coupled Plasma Mass Spectrometry |
| LACSD | Los Angeles County Sanitation Districts |
| LCS | Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes. |
| LCSD | Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample. |
| LOQ | Limit of Quantitation |
| MDL | Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound. |
| mg/kg | Miligrams per Kilogram |
| mg/L | Miligrams per Liter |
| ml/L/hr | Milliliter per Liter per Hour |
| MRO | Motor oil Range Organics |

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|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0034 | Site: | A0355 |
| | Project Number: | 684735 | | 3506 E 8th St. |
| 100 West Walnut Street | Attention: | Pete Shair | | Los Angeles, CA 90023 |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 07/25/2024 13:56 |

| | |
|---|---|
| MS | Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results. |
| MSD | Matrix Spike Duplicate - A replicate of Matrix Spike Sample. |
| N | No |
| ND | Analyte is not detected below Method Detection Limit. |
| ng/m3 | Nanograms per cubic meter |
| NIOSH | National Institute for Occupational Safety and Health |
| nL/L | Nanoliters per Liter |
| NTU | Nephelometric Turbidity Units |
| Ohm-cm | Ohms per centimeter |
| ORO | Oil Range Organics |
| OSHA | Occupational Safety and Health Administration |
| PCB | Polychlorinated Biphenyl |
| ppb v | Parts per billion by volume |
| ppmC | Parts per million Carbon |
| PSU | Practical Salinity Unit |
| Q | Qualifier Column |
| RL | Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ. |
| RPD | Relative Percent Difference |
| SIM | Selective Ion Monitoring |
| SM | Standard Method |
| SPLP | Synthetic Precipitation Leaching Procedure |
| STLC | Soluble Threshold Limit Concentration |
| TCLP | Toxicity Characteristic Leaching Procedure |
| TPH | Total Petroleum Hydrocarbons |
| TTLC | Total Threshold Limit Concentrations |
| ug/kg | Micrograms per Kilogram |
| ug/L | Micrograms per Liter |
| ug/m3 | Micrograms per cubic meter |
| WET | Waste Extraction Test |
| Y | Yes |
| ZHE | Zero Headspace Extraction |

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# WORK ORDER

**BFG0034**

Printed: 07/25/2024 1:57 pm

**Project:** **Exide Initial 200 Single Cleanup Unit (SCU)**
**Project Number:** **684735**
**Project Manager:** **Hailley Coleman**
**PO Number:**

**Report To:**

Parsons
Pete Shair
100 West Walnut Street
Pasadena, CA 91124
Phone: (626) 344-6565
Fax: (626)440-6200

**Invoice To:**

Parsons
Sarah King
100 W. Walnut St.
Pasadena, CA 91124
Phone: (626)440-6161
Fax: (626)440-6200

Date Received: 07/03/2024 03:30 PM
Date Due: 07/24/2024 (14.00 day TAT)

Logged In By: Greta Giragoosian
Received By: Greta Giragoosian

| Analysis | Comments |
|---|---|
| **BFG0034-01 A0355-WC-A1A2 [Soil] Sampled 7/3/2024 9:00:00AM** | |
| STLC-6010B-Pb | NONE |
| STLC-Extraction-METALS | NONE |
| TCLP-6010B-Pb | NONE |
| TCLP-Extraction-METALS | NONE |

**BFG0034** **Sample Receipt Log**

Default Cooler

Samples Received at: **26.3°C**

| | | | |
|---|---|---|---|
| Are the COCs Correct | Yes | Received on Ice | No |
| Labels Legible | Yes | | |
| COC/Labels Agree | Yes | | |
| Sufficient Sample Volume | Yes | | |
| Sample Labels intact | Yes | | |
| Containers In Good Condition | Yes | | |
| Samples Preserved Properly | Yes | | |
| Sufficient Holding Time for all Tests | Yes | | |

# AMERICAN ENVIRONMENTAL TESTING LABORATORY

A [redacted] LABS COMPANY

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## CHAIN-OF-CUSTODY RECORD

AETL JOB No. BFC240034 Page 1 of 1

| | |
|---|---|
| Company: Parsons | Project Manager: Pete Shair / Linda McGlochlin |
| Company Address: 100 W. Walnut St, Pasadena, CA 91124 | Email: tom.blaney@parsons.com |
| Project Name: DTSC Exide Residential | **Project # 684735** |
| Site Property ID: A0355 | **PO #** |
| Site Address: 3506 E 8th St, Los Angeles CA 90023 | |
| Report To: tom.blaney@parsons.com<br>Report & EDD To:<br>carla.rodman@parsons.com; jennifer.trimm@parsons.com;<br>julie.rieth@parsons.com | |

BF-C240034 ↓ 02

| Location ID | Start Depth (in) | End Depth (in) | Field Sample ID MUST BE UNIQUE | Sample Date | Sample Time | Sample Purpose N/FD | Sample Matrix | Sample Type Comp/Grab | # of Cont. | Field Filtered (Y/N) | | Analysis Requested: Metals (As,Pb,Cd,Cu,Zn,Sb) | Analysis Requested: Lead (6010B) | Analysis Requested: Sru-Pb | Analysis Requested: Tue-Pb | Analysis Requested: 7/11/24 | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A0355-WC | 0 | 12 | A0355-WC-A1A2 | 7/3/24 | 0900 | N | Soil | C | 1 | N | | X | X | X | X | | |
| A0355-WC | 0 | 18 | A0355-WC-A1A2A3 | 7/3/24 | 0905 | N | Soil | C | 1 | N | | X | X | | | | |

**Requested Due Date/TAT:** _____ Normal 5-Day _____ 72 hours _____ 48 hours _____ 24 hours

**Deliverable Requested:** EQuIS DTSC_Cleanup EDD

**Level III/IV PDF:** Level III

| | | | |
|---|---|---|---|
| Sampler(s) Name: | Company: | | |
| Relinquished By (signature): | | Relinquished By (signature): | Sample Receipt Comments: |
| Printed Name: Brenda B | Company: | Printed Name: Pat A | Company: |
| Date/Time: 7/3/24 1415 | | Date/Time: 7-3-24 1530 | |
| Received By (signature): | | Received By (signature): | |
| Printed Name: Pat A | Company: | Printed Name: Arthur Gregorian | Company: AETL |
| Date/Time: 7-3-24 1415 | | Date/Time: 07-03-24 15:30 | |
| Shipment Method: | | Sample Tracking No: | Samples Intact : Yes ☐ No ☐ |

**Sample Type:** C = Composite; G = Grab **Sample Purpose:** N = Normal; FD = Field-Duplicate **Soil Description:** BY = Backyard; FY = Front yard; SY = Side yard



Table of Contents

## Hailley Coleman

**From:** Nishka.Parikh@parsons.com
**Sent:** Wednesday, July 17, 2024 3:44 PM
**To:** Hailley Coleman
**Cc:** Tom.Blaney@parsons.com; Peter.Shair@parsons.com; Sandra.delasFuentes@parsons.us; Carla.Rodman@parsons.com
**Subject:** Need STLC/TCLP Analyses

**Follow Up Flag:** Follow up
**Flag Status:** Flagged

Sensitive

Hi Hailley,

Please run the following on a standard turnaround time:

1. A0355-WC-A1A2 (LAB REPORT BFG0034): STLC and TCLP for lead
2. B0964-WC-A1A2A3 (LAB REPORT BFG0047): STLC and TCLP for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# COOLER RECEIPT FORM

Client Name: Parsons

Project Name: DTSC Exide Residential Project No.: 684735

AETL Job Number: BFG0034

Date Received: 07/03/2024 Received by: Greta Giragoosian

Carrier: ☑ AETL Courier ☐ Client ☐ GSL ☐ FedEx ☐ UPS
☐Others:

**Samples were received in:** ☐ Cooler (_____) ☑ Other (Specify): Box

**Sample Container Temperature:** 26.3 °C IR Gun S/N: 51941911MV

**Type of sample containers:** VOA, Glass bottles, ✔Wide mouth jars, HDPE bottles, Metal sleeves, Acetate sleeves, 5035 Kit: AETL o r Client, Tedlar Bags, Summa Canister: 6L, 3L, 1L, Others (Specify): _____

**How are samples preserved:** ☑ None, ☐ Ice, ☐ Blue Ice, ☐ Dry Ice
☑ None, ☐ $HNO_3$, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$
☐ Other (Specify):

| | Yes | No* | N/A | Note or Comment |
|---|---|---|---|---|
| 1. Are the COCs Correct? | ✔ | | | |
| 2. Are Sample labels legible & indelible ink? | ✔ | | | |
| 3. Do samples match the COC? | ✔ | | | |
| 4. Are the required analyses clear? | ✔ | | | |
| 5. Is there enough samples for required analysis? | ✔ | | | |
| 6. Does cooler or samples have custody seal(s)? | | | ✔ | |
| 7. Are sample containers intact and in good condition? | ✔ | | | |
| 8. Are samples preserved? | | | ✔ | |
| 9. Are samples preserved properly for the intended analysis? | | | ✔ | |
| 10. Are the VOAs free of headspace? See footnote. | | | ✔ | |
| 11. Are the jars free of headspace? | | | ✔ | |
| 12. Are there any samples with short hold times? | | ✔ | | |

* = see note below. N/A = Not Applicable

***PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.***

◯ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.

# ICP_STLC

# PREPARATION BATCH SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0034 |
| Client: | Parsons | | | Project: | Exide Initial 200 Single Cleanup Unit (SCU) |
| Batch: | B4G0244 | Batch Matrix: | Soil | Preparation: | CA WET- STLC |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4G0244-BLK1 | 07/22/24 07:34 | 50.00 | 500 |
| A0355-WC-A1A2 | BFG0034-01 | 07/22/24 07:34 | 50.00 | 500 |

# ICP_TCLP

# PREPARATION BATCH SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0034 |
| Client: | Parsons | | | Project: | Exide Initial 200 Single Cleanup Unit (SCU) |
| Batch: | B4G0212 | Batch Matrix: | Soil | Preparation: | 1311- Extraction |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4G0212-BLK1 | 07/18/24 10:09 | 100.00 | 2000 |
| A0355-WC-A1A2 | BFG0034-01 | 07/18/24 10:09 | 100.00 | 2000 |

# METALS

SAMPLE DATA

# SAMPLE DATA
# METALS

# FORM I
# ANALYSIS DATA SHEET

A0355-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | BFG0034-01 |
| Sampled: | 07/03/24 09:00 | | |
| % Solids: | 0.00 | | |

| Analyte | Concentration (mg/L) | PQL | MDL | DF | Q | Batch | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Lead | ND | 0.200 | 0.0461 | 1 | | B4G0234 | 07/22/24 11:52 | EPA 6010B-1311 TCLP |

# PREPARATION BATCH SUMMARY

## EPA 6010B-1311 TCLP

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0034 |
| Client: | | | | Project: | 684735 |
| Batch: | B4G0234 | Batch Matrix: | Soil | Preparation: | 1311- ICP |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4G0234-BLK1 | 07/19/24 09:52 | 10.00 | 50.00 |
| LCS | B4G0234-BS1 | 07/19/24 09:52 | 10.00 | 50.00 |
| LCS Dup | B4G0234-BSD1 | 07/19/24 09:52 | 10.00 | 50.00 |
| A0355-WC-A1A2 | B4G0234-DUP1 | 07/19/24 09:52 | 10.00 | 50.00 |
| A0355-WC-A1A2 | B4G0234-MS1 | 07/19/24 09:52 | 10.00 | 50.00 |
| A0355-WC-A1A2 | B4G0234-MSD1 | 07/19/24 09:52 | 10.00 | 50.00 |
| A0355-WC-A1A2 | BFG0034-01 | 07/19/24 09:52 | 10.00 | 50.00 |

# PREPARATION BENCH SHEET

B4G0234

**AETL**

**Printed: 7/23/2024 4:45:29PM**

**Matrix: Soil** **Prepared using: METALS - 1311- ICP** **(No Surrogate)**

| Lab Number | Analysis | Prepared | Initial (mL) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surrogate | Client | Extraction Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| B4G0234-BLK1 | QC | 07/19/2024 09:52 | 10 | 50 | | | | | | |
| B4G0234-BS1 | QC | 07/19/2024 09:52 | 10 | 50 | BE42111 | | 50000 | | | |
| B4G0234-BSD1 | QC | 07/19/2024 09:52 | 10 | 50 | BE42111 | | 50000 | | | |
| B4G0234-DUP1 | QC | 07/19/2024 09:52 | 10 | 50 | | BFG0034-01 | | | | |
| B4G0234-MS1 | QC | 07/19/2024 09:52 | 10 | 50 | BE42111 | BFG0034-01 | 50000 | | | |
| B4G0234-MSD1 | QC | 07/19/2024 09:52 | 10 | 50 | BE42111 | BFG0034-01 | 50000 | | | |
| BFG0034-01 | zzm_6010B-TCLP | 07/19/2024 09:52 | 10 | 50 | | | | | Parsons | Added for BatchQC in: B4G0234 |
| BFG0034-01 | TCLP-6010B-Ag | 07/19/2024 09:52 | 10 | 50 | | | | | Parsons | Added for BatchQC in: B4G0234 |
| BFG0034-01 | TCLP-6010B-Cd | 07/19/2024 09:52 | 10 | 50 | | | | | Parsons | Added for BatchQC in: B4G0234 |
| BFG0034-01 | TCLP-6010B-Pb | 07/19/2024 09:52 | 10 | 50 | | | | | Parsons | |
| BFG0034-01 | TCLP-6010B-Cr | 07/19/2024 09:52 | 10 | 50 | | | | | Parsons | Added for BatchQC in: B4G0234 |
| BFG0047-02 | TCLP-6010B-Pb | 07/19/2024 09:52 | 10 | 50 | | | | | Parsons | |
| BFG0116-03 | zzm_6010B-TCLP | 07/19/2024 09:52 | 10 | 50 | | | | | | |
| BFG0117-02 | zzm_6010B-TCLP | 07/19/2024 09:52 | 10 | 50 | | | | | | |
| BFG0146-01 | TCLP-6010B-Pb | 07/19/2024 09:52 | 10 | 50 | | | | | Parsons | |
| BFG0167-01 | TCLP-6010B-Pb | 07/19/2024 09:52 | 10 | 50 | | | | | | |
| BFG0167-01 | TCLP-6010B-Ag | 07/19/2024 09:52 | 10 | 50 | | | | | | |
| BFG0167-01 | TCLP-6010B-Cd | 07/19/2024 09:52 | 10 | 50 | | | | | | |
| BFG0167-01 | TCLP-6010B-Cr | 07/19/2024 09:52 | 10 | 50 | | | | | | |



iking Witnessed By — Date: 7/19/24

Preparation Reviewed By — Date: 7/19/24

Extracts Received By — Date: 7/19/24



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**PREPARATION BENCH SHEET**

B4G0234

**AETL**

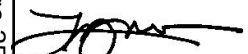
**Printed: 7/23/2024 4:45:29PM**

**Matrix: Soil** **Prepared using: METALS - 1311- ICP** **(No Surrogate)**

| Lab Number | Analysis | Prepared | Initial (mL) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surrogate | Client | Extraction Comments |
|---|---|---|---|---|---|---|---|---|---|---|

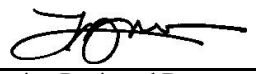
Pipette/Tip: 544461197/B107005
5Oml tube: MP3971
HOTBLOCK : E
THERMOMETER: 10075
UNCOR TEMP: 94 C
COR TEMP: 95 C
DIGESTION STARTED: 11:00 hrs
TIME END: 13:30 hrs





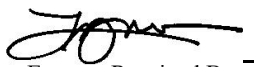
7/19/24

iking Witnessed By Date



7/19/24

Preparation Reviewed By Date



7/19/24

Extracts Received By Date



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# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0034 |
| Client: | | | Project: | 684735 | |
| Matrix: | Soil | Laboratory ID: | B4G0234-BLK1 | File ID: | 07222024R.csv-103 |
| Sampled: | | Prepared: | 07/19/24 09:52 | Analyzed: | 07/22/24 11:42 |
| Solids: | | Preparation: | 1311- ICP | Dilution: | 1 |
| Batch: | B4G0234 | Sequence: | S4G0013 | Calibration: | 4G23001 |
| Column: | 1 | | | | |

Instrument: OPTIMA8300

| ANALYTE | CONC. (mg/L) | MDL | RL | Q |
|---|---|---|---|---|
| Lead | ND | 0.0461 | 0.200 | |

# LCS / LCS DUPLICATE RECOVERY

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Preparation: | 1311- ICP |
| Batch: | B4G0234 | Laboratory ID: | B4G0234-BS1 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (mg/L) | LCS CONCENTRATION (mg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Lead | 10.0 | 9.75 | 97.5 | 80 - 120 |

| ANALYTE | SPIKE ADDED (mg/L) | LCSD CONCENTRATION (mg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 10.0 | 9.72 | 97.2 | 0.315 | 15 | 80 - 120 |

# DUPLICATES

## A0355-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | B4G0234-DUP1 |
| Batch: | B4G0234 | Initial/Final: | 10 mL / 50 mL |
| Preparation: | 1311- ICP | Analysis: | EPA 6010B-1311 TCLP |
| % Solids: | | | |

| ANALYTE | SAMPLE CONC. (mg/L) | DUPLICATE CONC. (mg/L) | RPD % | Q | CONTROL LIMIT |
|---|---|---|---|---|---|
| Lead | ND | 0.0491 | | | 15 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

A0355-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Analysis: | EPA 6010B-1311 TCLP |
| Batch: | B4G0234 | Preparation: | 1311- ICP |
| % Solids: | | Laboratory ID: | B4G0234-MS1 |
| Column: | | Sample Lab ID: | BFG0034-01 |

| ANALYTE | SPIKE ADDED (mg/L) | SAMPLE CONCENTRATION (mg/L) | MS CONCENTRATION (mg/L) | MS % REC. | QC LIMITS REC. |
|---|---|---|---|---|---|
| Lead | 10.0 | ND | 9.71 | 97.1 | 70 - 130 |

| ANALYTE | SPIKE ADDED (mg/L) | MSD CONCENTRATION (mg/L) | MSD % REC. # | % RPD | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 10.0 | 9.29 | 92.9 | 4.45 | 15 | 70 - 130 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0034 |
| Client: | | Project: | 684735 |
| Sequence: | S4G0013 | Instrument: | OPTIMA8300 |
| Calibration: | 4G23001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0013-IBL1 | 07222024R.csv-001 | 07/22/24 09:59 |
| Cal Standard | S4G0013-CAL1 | 07222024R.csv-002 | 07/22/24 10:02 |
| Cal Standard | S4G0013-CAL2 | 07222024R.csv-003 | 07/22/24 10:05 |
| Cal Standard | S4G0013-CAL3 | 07222024R.csv-004 | 07/22/24 10:09 |
| Cal Standard | S4G0013-CAL4 | 07222024R.csv-005 | 07/22/24 10:12 |
| Cal Standard | S4G0013-CAL5 | 07222024R.csv-006 | 07/22/24 10:15 |
| Cal Standard | S4G0013-CAL6 | 07222024R.csv-007 | 07/22/24 10:18 |
| Initial Cal Check | S4G0013-ICV1 | 07222024R.csv-009 | 07/22/24 10:31 |
| Initial Cal Blank | S4G0013-ICB1 | 07222024R.csv-010 | 07/22/24 10:34 |
| Interference Check A | S4G0013-IFA1 | 07222024R.csv-011 | 07/22/24 10:41 |
| Interference Check B | S4G0013-IFB1 | 07222024R.csv-012 | 07/22/24 10:48 |
| Calibration Check | S4G0013-CCV1 | 07222024R.csv-013 | 07/22/24 10:58 |
| Calibration Blank | S4G0013-CCB1 | 07222024R.csv-014 | 07/22/24 11:01 |
| Calibration Check | S4G0013-CCV2 | 07222024R.csv-022 | 07/22/24 11:28 |
| Calibration Blank | S4G0013-CCB2 | 07222024R.csv-023 | 07/22/24 11:32 |
| Blank | B4G0234-BLK1 | 07222024R.csv-103 | 07/22/24 11:42 |
| LCS | B4G0234-BS1 | 07222024R.csv-025 | 07/22/24 11:46 |
| LCS Dup | B4G0234-BSD1 | 07222024R.csv-026 | 07/22/24 11:49 |
| A0355-WC-A1A2 | BFG0034-01 | 07222024R.csv-027 | 07/22/24 11:52 |
| A0355-WC-A1A2 | B4G0234-DUP1 | 07222024R.csv-028 | 07/22/24 11:55 |
| A0355-WC-A1A2 | B4G0234-MS1 | 07222024R.csv-029 | 07/22/24 11:59 |
| A0355-WC-A1A2 | B4G0234-MSD1 | 07222024R.csv-030 | 07/22/24 12:02 |
| Calibration Check | S4G0013-CCV3 | 07222024R.csv-034 | 07/22/24 12:21 |
| Calibration Blank | S4G0013-CCB3 | 07222024R.csv-035 | 07/22/24 12:24 |
| Calibration Check | S4G0013-CCV4 | 07222024R.csv-038 | 07/22/24 12:46 |
| Calibration Blank | S4G0013-CCB4 | 07222024R.csv-039 | 07/22/24 12:49 |
| Calibration Check | S4G0013-CCV5 | 07222024R.csv-054 | 07/22/24 13:55 |
| Calibration Blank | S4G0013-CCB5 | 07222024R.csv-055 | 07/22/24 13:58 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0034 |
| Client: | | Project: | 684735 |
| Sequence: | S4G0013 | Instrument: | OPTIMA8300 |
| Calibration: | 4G23001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Calibration Check | S4G0013-CCV6 | 07222024R.csv-066 | 07/22/24 14:43 |
| Calibration Blank | S4G0013-CCB6 | 07222024R.csv-067 | 07/22/24 14:46 |
| Calibration Check | S4G0013-CCV7 | 07222024R.csv-071 | 07/22/24 14:58 |
| Calibration Blank | S4G0013-CCB7 | 07222024R.csv-072 | 07/22/24 15:01 |
| Calibration Check | S4G0013-CCV8 | 07222024R.csv-083 | 07/22/24 15:50 |
| Calibration Blank | S4G0013-CCB8 | 07222024R.csv-084 | 07/22/24 15:53 |
| Calibration Check | S4G0013-CCV9 | 07222024R.csv-095 | 07/22/24 16:39 |
| Calibration Blank | S4G0013-CCB9 | 07222024R.csv-096 | 07/22/24 16:46 |
| Calibration Check | S4G0013-CCVA | 07222024R.csv-101 | 07/22/24 17:14 |
| Calibration Blank | S4G0013-CCBA | 07222024R.csv-102 | 07/22/24 17:17 |

# INITIAL CALIBRATION VERIFICATION

## EPA 6010B-1311 TCLP

**Laboratory:** AETL
**SDG:** BFG0034
**Client:**
**Project:** 684735
**Calibration:** 4G23001
**Laboratory ID:** S4G0013-ICV1
**Sequence:** S4G0013
**Standard ID:** BE42111

| ANALYTE | EXPECTED (mg/L) | FOUND (mg/L) | % DRIFT | QC LIMIT |
|---|---|---|---|---|
| Lead | 2.00 | 2.14 | 6.9 | |

* Values outside of QC limits

# INITIAL AND CONTINUING CALIBRATION CHECK

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4G23001 |
| | | Sequence: | S4G0013 |

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4G0013-ICV1 | Lead | 2.00 | 2.14 | 107 | mg/L | +/- % |
| S4G0013-CCV1 | Lead | 2.00 | 2.05 | 102 | mg/L | +/- % |
| S4G0013-CCV2 | Lead | 2.00 | 2.03 | 102 | mg/L | +/- % |
| S4G0013-CCV3 | Lead | 2.00 | 1.87 | 93.4 | mg/L | +/- % |
| S4G0013-CCV4 | Lead | 2.00 | 1.82 | 91.0 | mg/L | +/- % |
| S4G0013-CCV5 | Lead | 2.00 | 2.00 | 100 | mg/L | +/- % |
| S4G0013-CCV6 | Lead | 2.00 | 2.19 | 109 | mg/L | +/- % |
| S4G0013-CCV7 | Lead | 2.00 | 2.17 | 108 | mg/L | +/- % |
| S4G0013-CCV8 | Lead | 2.00 | 1.87 | 93.6 | mg/L | +/- % |
| S4G0013-CCV9 | Lead | 2.00 | 2.06 | 103 | mg/L | +/- % |
| S4G0013-CCVA | Lead | 2.00 | 2.03 | 101 | mg/L | +/- % |

# Blank Results

## EPA 6010B-1311 TCLP

Laboratory: AETL
Work Order: BFG0034
Client:
Project: 684735

| Lab Sample ID | Analyte | Found | Units | RL |
|---|---|---|---|---|
| S4G0013-ICB1 | Lead | 0.00768 | mg/L | 0.0400 |
| S4G0013-CCB1 | Lead | 0.00763 | mg/L | 0.0400 |
| S4G0013-CCB2 | Lead | 0.00488 | mg/L | 0.0400 |
| S4G0013-CCB3 | Lead | -0.00665 | mg/L | 0.0400 |
| S4G0013-CCB4 | Lead | 0.00427 | mg/L | 0.0400 |
| S4G0013-CCB5 | Lead | -0.00205 | mg/L | 0.0400 |
| S4G0013-CCB6 | Lead | -0.00221 | mg/L | 0.0400 |
| S4G0013-CCB7 | Lead | 0.00227 | mg/L | 0.0400 |
| S4G0013-CCB8 | Lead | 0.00704 | mg/L | 0.0400 |
| S4G0013-CCB9 | Lead | 0.00269 | mg/L | 0.0400 |
| S4G0013-CCBA | Lead | 0.00225 | mg/L | 0.0400 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4G23001 |
| Sequence: | S4G0013 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0013-IFA1 | Lead | 0.00 | 0.01010 | mg/L | -100 | ±0.00 % | 7/22/24 10:41 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4G23001 |
| Sequence: | S4G0013 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0013-IFB1 | Lead | 0.500 | 0.48073 | mg/L | -4 | ±0.00 % | 7/22/24 10:48 |

SAMPLE DATA

# SAMPLE DATA
# METALS

# FORM I
# ANALYSIS DATA SHEET

A0355-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | BFG0034-01 |
| Sampled: | 07/03/24 09:00 | | |
| % Solids: | 0.00 | | |

| Analyte | Concentration (mg/L) | PQL | MDL | DF | Q | Batch | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 2.74 | 0.800 | 0.328 | 2 | D | B4G0285 | 07/24/24 12:10 | EPA |

# PREPARATION BATCH SUMMARY

## EPA 6010B-STLC

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0034 |
| Client: | | | | Project: | 684735 |
| Batch: | B4G0285 | Batch Matrix: | Soil | Preparation: | STLC- ICP |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4G0285-BLK1 | 07/24/24 08:28 | 5.00 | 50.00 |
| LCS | B4G0285-BS1 | 07/24/24 08:28 | 5.00 | 50.00 |
| LCS Dup | B4G0285-BSD1 | 07/24/24 08:28 | 5.00 | 50.00 |
| A0355-WC-A1A2 | B4G0285-DUP1 | 07/24/24 08:28 | 5.00 | 50.00 |
| A0355-WC-A1A2 | B4G0285-MS1 | 07/24/24 08:28 | 5.00 | 50.00 |
| A0355-WC-A1A2 | B4G0285-MSD1 | 07/24/24 08:28 | 5.00 | 50.00 |
| A0355-WC-A1A2 | BFG0034-01 | 07/24/24 08:28 | 5.00 | 50.00 |

# PREPARATION BENCH SHEET

B4G0285

**AETL**

**Printed: 7/25/2024 12:48:51PM**

**Matrix: Soil** **Prepared using: METALS - STLC- ICP** **(No Surrogate)**

| Lab Number | Analysis | Prepared | Initial (mL) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surrogate | Client | Extraction Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| B4G0285-BLK1 | QC | 07/24/2024 08:28 | 5 | 50 | | | | | | |
| B4G0285-BS1 | QC | 07/24/2024 08:28 | 5 | 50 | BE42111 | | 50000 | | | |
| B4G0285-BSD1 | QC | 07/24/2024 08:28 | 5 | 50 | BE42111 | | 50000 | | | |
| B4G0285-DUP1 | QC | 07/24/2024 08:28 | 5 | 50 | | BFG0034-01 | | | | |
| B4G0285-MS1 | QC | 07/24/2024 08:28 | 5 | 50 | BE42111 | BFG0034-01 | 50000 | | | |
| B4G0285-MSD1 | QC | 07/24/2024 08:28 | 5 | 50 | BE42111 | BFG0034-01 | 50000 | | | |
| BFG0034-01 | STLC-6010B-Pb | 07/24/2024 08:28 | 5 | 50 | | | | | Parsons | |
| BFG0047-02 | STLC-6010B-Pb | 07/24/2024 08:28 | 5 | 50 | | | | | Parsons | |

Pipette/Tip: 544461197/B107005
5Oml tube: MP3971
HOTBLOCK : E
THERMOMETER: 10075
UNCOR TEMP: 95 C
COR TEMP: 96 C
DIGESTION STARTED: 09:10 hrs
TIME END: 11:40 hrs



| iking Witnessed By | Date | Preparation Reviewed By | Date | Extracts Received By | Date |
|---|---|---|---|---|---|
| | 7/24/24 | | 7/24/24 | | 7/24/24 |



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# ANALYSIS DATA SHEET

Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0034 |
| Client: | | | Project: | 684735 | |
| Matrix: | Soil | Laboratory ID: | B4G0285-BLK1 | File ID: | 07242024R.csv-049 |
| Sampled: | | Prepared: | 07/24/24 08:28 | Analyzed: | 07/24/24 12:01 |
| Solids: | | Preparation: | STLC- ICP | Dilution: | 2 |
| Batch: | B4G0285 | Sequence: | S4G0015 | Calibration: | 4G25001 |
| Column: | 1 | | | | |

Instrument: OPTIMA8300

| ANALYTE | CONC. (mg/L) | MDL | RL | Q |
|---|---|---|---|---|
| Lead | ND | 0.328 | 0.800 | D |

# LCS / LCS DUPLICATE RECOVERY

EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Preparation: | STLC- ICP |
| Batch: | B4G0285 | Laboratory ID: | B4G0285-BS1 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (mg/L) | LCS CONCENTRATION (mg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Lead | 20.0 | 18.4 | 92.2 | 80 - 120 |

| ANALYTE | SPIKE ADDED (mg/L) | LCSD CONCENTRATION (mg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 20.0 | 19.0 | 95.2 | 3.23 | 15 | 80 - 120 |

# DUPLICATES

## A0355-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | B4G0285-DUP1 |
| Batch: | B4G0285 | Initial/Final: | 5 mL / 50 mL |
| Preparation: | STLC- ICP | Analysis: | EPA 6010B-STLC |

% Solids:

| ANALYTE | SAMPLE CONC. (mg/L) | DUPLICATE CONC. (mg/L) | RPD % | Q | CONTROL LIMIT |
|---|---|---|---|---|---|
| Lead | 2.74 | 2.71 | 1.12 | | 15 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

A0355-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Analysis: | EPA 6010B-STLC |
| Batch: | B4G0285 | Preparation: | STLC- ICP |
| % Solids: | | Laboratory ID: | B4G0285-MS1 |
| Column: | | Sample Lab ID: | BFG0034-01 |

| ANALYTE | SPIKE ADDED (mg/L) | SAMPLE CONCENTRATION (mg/L) | MS CONCENTRATION (mg/L) | MS % REC. | QC LIMITS REC. |
|---|---|---|---|---|---|
| Lead | 20.0 | 2.74 | 20.0 D | 86.1 | 70 - 130 |

| ANALYTE | SPIKE ADDED (mg/L) | MSD CONCENTRATION (mg/L) | MSD % REC. # | % RPD | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 20.0 | 20.0 D | 86.3 | 0.271 | 15 | 70 - 130 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0034 |
| Client: | | Project: | 684735 |
| Sequence: | S4G0015 | Instrument: | OPTIMA8300 |
| Calibration: | 4G25001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0015-IBL1 | 07242024R.csv-001 | 07/24/24 08:21 |
| Cal Standard | S4G0015-CAL1 | 07242024R.csv-002 | 07/24/24 08:24 |
| Cal Standard | S4G0015-CAL2 | 07242024R.csv-003 | 07/24/24 08:27 |
| Cal Standard | S4G0015-CAL3 | 07242024R.csv-004 | 07/24/24 08:30 |
| Cal Standard | S4G0015-CAL4 | 07242024R.csv-005 | 07/24/24 08:33 |
| Cal Standard | S4G0015-CAL5 | 07242024R.csv-006 | 07/24/24 08:37 |
| Cal Standard | S4G0015-CAL6 | 07242024R.csv-007 | 07/24/24 08:40 |
| Initial Cal Check | S4G0015-ICV1 | 07242024R.csv-009 | 07/24/24 09:05 |
| Initial Cal Blank | S4G0015-ICB1 | 07242024R.csv-010 | 07/24/24 09:13 |
| Interference Check A | S4G0015-IFA1 | 07242024R.csv-011 | 07/24/24 09:16 |
| Interference Check B | S4G0015-IFB1 | 07242024R.csv-012 | 07/24/24 09:20 |
| Calibration Check | S4G0015-CCV1 | 07242024R.csv-013 | 07/24/24 09:35 |
| Calibration Blank | S4G0015-CCB1 | 07242024R.csv-014 | 07/24/24 09:38 |
| Calibration Check | S4G0015-CCV2 | 07242024R.csv-047 | 07/24/24 11:43 |
| Calibration Blank | S4G0015-CCB2 | 07242024R.csv-048 | 07/24/24 11:47 |
| Blank | B4G0285-BLK1 | 07242024R.csv-049 | 07/24/24 12:01 |
| LCS | B4G0285-BS1 | 07242024R.csv-050 | 07/24/24 12:04 |
| LCS Dup | B4G0285-BSD1 | 07242024R.csv-051 | 07/24/24 12:07 |
| A0355-WC-A1A2 | BFG0034-01 | 07242024R.csv-052 | 07/24/24 12:10 |
| A0355-WC-A1A2 | B4G0285-DUP1 | 07242024R.csv-053 | 07/24/24 12:14 |
| A0355-WC-A1A2 | B4G0285-MS1 | 07242024R.csv-054 | 07/24/24 12:17 |
| A0355-WC-A1A2 | B4G0285-MSD1 | 07242024R.csv-055 | 07/24/24 12:20 |
| Calibration Check | S4G0015-CCV3 | 07242024R.csv-057 | 07/24/24 12:53 |
| Calibration Blank | S4G0015-CCB3 | 07242024R.csv-058 | 07/24/24 12:56 |
| Calibration Check | S4G0015-CCV4 | 07242024R.csv-069 | 07/24/24 13:40 |
| Calibration Blank | S4G0015-CCB4 | 07242024R.csv-070 | 07/24/24 13:43 |
| Calibration Check | S4G0015-CCV5 | 07242024R.csv-081 | 07/24/24 14:17 |
| Calibration Blank | S4G0015-CCB5 | 07242024R.csv-082 | 07/24/24 14:20 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0034 |
| Client: | | Project: | 684735 |
| Sequence: | S4G0015 | Instrument: | OPTIMA8300 |
| Calibration: | 4G25001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Calibration Check | S4G0015-CCV6 | 07242024R.csv-087 | 07/24/24 14:42 |
| Calibration Blank | S4G0015-CCB6 | 07242024R.csv-088 | 07/24/24 14:46 |
| Calibration Check | S4G0015-CCV7 | 07242024R.csv-091 | 07/24/24 15:25 |
| Calibration Blank | S4G0015-CCB7 | 07242024R.csv-092 | 07/24/24 15:29 |
| Calibration Check | S4G0015-CCV8 | 07242024R.csv-102 | 07/24/24 16:11 |
| Calibration Blank | S4G0015-CCB8 | 07242024R.csv-103 | 07/24/24 16:13 |
| Calibration Check | S4G0015-CCV9 | 07242024R.csv-114 | 07/24/24 16:47 |
| Calibration Blank | S4G0015-CCB9 | 07242024R.csv-115 | 07/24/24 16:49 |
| Calibration Check | S4G0015-CCVA | 07242024R.csv-122 | 07/24/24 17:11 |
| Calibration Blank | S4G0015-CCBA | 07242024R.csv-123 | 07/24/24 17:14 |

# INITIAL CALIBRATION VERIFICATION

## EPA 6010B-STLC

**Laboratory:** AETL
**SDG:** BFG0034
**Client:**
**Project:** 684735
**Calibration:** 4G25001
**Laboratory ID:** S4G0015-ICV1
**Sequence:** S4G0015
**Standard ID:** BE42111

| ANALYTE | EXPECTED (mg/L) | FOUND (mg/L) | % DRIFT | QC LIMIT |
|---|---|---|---|---|
| Lead | 2.00 | 2.02 | 1.0 | 10.00 |

* Values outside of QC limits

# INITIAL AND CONTINUING CALIBRATION CHECK

## EPA 6010B-STLC

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFG0034
Project: 684735
Calibration: 4G25001
Sequence: S4G0015

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4G0015-ICV1 | Lead | 2.00 | 2.02 | 101 | mg/L | +/- 10.00% |
| S4G0015-CCV1 | Lead | 2.00 | 1.94 | 97.0 | mg/L | +/- 10.00% |
| S4G0015-CCV2 | Lead | 2.00 | 1.84 | 92.0 | mg/L | +/- 10.00% |
| S4G0015-CCV3 | Lead | 2.00 | 2.05 | 103 | mg/L | +/- 10.00% |
| S4G0015-CCV4 | Lead | 2.00 | 1.99 | 99.6 | mg/L | +/- 10.00% |
| S4G0015-CCV5 | Lead | 2.00 | 1.90 | 95.2 | mg/L | +/- 10.00% |
| S4G0015-CCV6 | Lead | 2.00 | 1.84 | 92.2 | mg/L | +/- 10.00% |
| S4G0015-CCV7 | Lead | 2.00 | 1.84 | 92.1 | mg/L | +/- 10.00% |
| S4G0015-CCV8 | Lead | 2.00 | 2.08 | 104 | mg/L | +/- 10.00% |
| S4G0015-CCV9 | Lead | 2.00 | 1.99 | 99.7 | mg/L | +/- 10.00% |
| S4G0015-CCVA | Lead | 2.00 | 1.94 | 97.1 | mg/L | +/- 10.00% |

# Blank Results

## EPA 6010B-STLC

Laboratory: AETL
Work Order: BFG0034
Client:
Project: 684735

| Lab Sample ID | Analyte | Found | Units | RL |
|---|---|---|---|---|
| S4G0015-ICB1 | Lead | 0.00164 | mg/L | 0.0400 |
| S4G0015-CCB1 | Lead | 0.0207 | mg/L | 0.0400 |
| S4G0015-CCB2 | Lead | 0.00263 | mg/L | 0.0400 |
| S4G0015-CCB3 | Lead | 0.0134 | mg/L | 0.0400 |
| S4G0015-CCB4 | Lead | -0.00287 | mg/L | 0.0400 |
| S4G0015-CCB5 | Lead | -0.00324 | mg/L | 0.0400 |
| S4G0015-CCB6 | Lead | -0.00699 | mg/L | 0.0400 |
| S4G0015-CCB7 | Lead | -0.000554 | mg/L | 0.0400 |
| S4G0015-CCB8 | Lead | -0.00154 | mg/L | 0.0400 |
| S4G0015-CCB9 | Lead | -0.00889 | mg/L | 0.0400 |
| S4G0015-CCBA | Lead | -0.00421 | mg/L | 0.0400 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4G25001 |
| Sequence: | S4G0015 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0015-IFA1 | Lead | 0.00 | 0.00105 | mg/L | -100 | ±20.00 % | 7/24/24 9:16 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0034 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4G25001 |
| Sequence: | S4G0015 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0015-IFB1 | Lead | 0.500 | 0.49535 | mg/L | -1 | ±20.00 % | 7/24/24 9:20 |

# Report Prepared For:

# Parsons

# Client Project Description:

RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

# ATL Work Order: 2401176

Date of Preparation: 07-24-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401176


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July 24, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401176

Client Reference : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Enclosed are the results for sample(s) received on July 12, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 07/24/24 17:28 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 07/24/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| RP0638B-WC-A1A2 | 2401176-01 | Soil | 7/12/24 11:04 | 7/12/24 14:50 |
| RP0638B-WC-A1A2A3 | 2401176-02 | Soil | 7/12/24 11:10 | 7/12/24 14:50 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 07/24/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on July 12th, 2024 at 14:50. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/24/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| B16 | Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| B13 | Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/24/2024 |

## Client Sample ID: RP0638B-WC-A1A2
## Lab ID: 2401176-01

**Total Metals by ICP-AES EPA 6010B** — **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.8** | 2.0 | 0.77 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |
| **Arsenic** | **3.9** | 2.0 | 0.71 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |
| **Cadmium** | **1.3** | 1.0 | 0.06 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |
| **Copper** | **50** | 1.0 | 0.22 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |
| **Lead** | **120** | 1.0 | 0.18 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |
| **Zinc** | **270** | 2.0 | 0.30 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |

## Client Sample ID: RP0638B-WC-A1A2A3
## Lab ID: 2401176-02

**Total Metals by ICP-AES EPA 6010B** — **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.6** | 2.0 | 0.77 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | |
| **Arsenic** | **2.4** | 2.0 | 0.71 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | |
| **Cadmium** | **0.67** | 1.0 | 0.06 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | J |
| **Copper** | **27** | 1.0 | 0.22 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | |
| **Lead** | **30** | 1.0 | 0.18 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | |
| **Zinc** | **89** | 2.0 | 0.30 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/24/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0756 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4G0756-BLK1)** | | | | | | Prepared: 7/14/2024 Analyzed: 7/23/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | ND | 1.0 | 0.22 | | | | | | | U |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4G0756-BS1)** | | | | | | Prepared: 7/14/2024 Analyzed: 7/23/2024 | | | | |
| Antimony | 23.7936 | 2.0 | 0.77 | 25.0000 | | 95.2 | 80 - 120 | | | |
| Arsenic | 24.3607 | 2.0 | 0.71 | 25.0000 | | 97.4 | 80 - 120 | | | |
| Cadmium | 22.4905 | 1.0 | 0.06 | 25.0000 | | 90.0 | 80 - 120 | | | |
| Copper | 23.9087 | 1.0 | 0.22 | 25.0000 | | 95.6 | 80 - 120 | | | |
| Lead | 22.7272 | 1.0 | 0.18 | 25.0000 | | 90.9 | 80 - 120 | | | |
| Zinc | 25.1564 | 2.0 | 0.30 | 25.0000 | | 101 | 80 - 120 | | | |
| **Matrix Spike (B4G0756-MS1)** | | | **Source: 2401170-01** | | | Prepared: 7/15/2024 Analyzed: 7/23/2024 | | | | |
| Antimony | 21.5594 | 2.0 | 0.77 | 25.0000 | 3.72802 | 71.3 | 75 - 125 | | | M2 |
| Arsenic | 30.4616 | 2.0 | 0.71 | 25.0000 | 5.73686 | 98.9 | 75 - 125 | | | |
| Cadmium | 22.2075 | 1.0 | 0.06 | 25.0000 | 0.867400 | 85.4 | 75 - 125 | | | |
| Copper | 59.0168 | 1.0 | 0.22 | 25.0000 | 27.1673 | 127 | 75 - 125 | | | M2 |
| Lead | 145.434 | 1.0 | 0.18 | 25.0000 | 106.726 | 155 | 75 - 125 | | | M2 |
| Zinc | 221.792 | 2.0 | 0.30 | 25.0000 | 169.913 | 208 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4G0756-MSD1)** | | | **Source: 2401170-01** | | | Prepared: 7/15/2024 Analyzed: 7/23/2024 | | | | |
| Antimony | 21.7337 | 2.0 | 0.77 | 25.0000 | 3.72802 | 72.0 | 75 - 125 | 0.805 | 20 | M2 |
| Arsenic | 30.1034 | 2.0 | 0.71 | 25.0000 | 5.73686 | 97.5 | 75 - 125 | 1.18 | 20 | |
| Cadmium | 23.0377 | 1.0 | 0.06 | 25.0000 | 0.867400 | 88.7 | 75 - 125 | 3.67 | 20 | |
| Copper | 60.0204 | 1.0 | 0.22 | 25.0000 | 27.1673 | 131 | 75 - 125 | 1.69 | 20 | M2 |
| Lead | 152.236 | 1.0 | 0.18 | 25.0000 | 106.726 | 182 | 75 - 125 | 4.57 | 20 | M2 |
| Zinc | 226.358 | 2.0 | 0.30 | 25.0000 | 169.913 | 226 | 75 - 125 | 2.04 | 20 | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/24/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0756 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4G0756-PS1)** | | | **Source: 2401170-01** | | Prepared: 7/14/2024 Analyzed: 7/23/2024 | | | | |
| Antimony | 0.480922 | | 0.500000 | 0.074560 | 81.3 | 75 - 125 | | | |
| Arsenic | 0.549109 | | 0.500000 | 0.114737 | 86.9 | 75 - 125 | | | |
| Cadmium | 0.456931 | | 0.500000 | 0.017348 | 87.9 | 75 - 125 | | | |
| Copper | 1.16134 | | 0.500000 | 0.543346 | 124 | 75 - 125 | | | |
| Lead | 2.99130 | | 0.500000 | 2.13453 | 171 | 75 - 125 | | | M2 |
| Zinc | 4.74524 | | 0.500000 | 3.39825 | 269 | 75 - 125 | | | M2 |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instructio n: Complete all shaded areas .*

21 2401176

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐GSO ☐Other:

Sample Conditions Upon Receipt

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | |
|---|---|---|---|---|
| Company: **Parsons** | Address: 100 W. Walnut Street | | | Tel: |
| | City: Pasadena | State: CA | Zip: 91124 | Fax: |

| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO |
|---|---|
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: Email: |
| Company: Parsons | Company: |
| Address: 100 W. Walnut Street | Address: |
| City: Pasadena State: CA Zip: 91124 | City: State: Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential
Site Address: 1240 S McBride Ave, Los Angeles CA 90022
Project No.: 684735
Sampler: Brenda Ballesteros
Quote #:
Site ID: RP0638B
PO #:

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Material: 1=Glass; 2=Plastic; 3=Metal | Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NaNO3 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | RP0638B-WC-A1A2 | RP0638B-WC | 7/12/2024 | 1104 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | RP0638B-WC-A1A2A3 | RP0638B-WC | 7/12/2024 | 1110 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Brenda B | 7/12/24 | 1400 | Kathryn | 7-12-24 | 1400 |
| Kathryn | 7-12-24 | 1420 | | 7/12/24 | 1420 |
| C. L | 7/12/24 | 1450 | Jhon | 7/12/24 | 14:50 |



Table of Contents

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| RP0638B-WC-A1A2 | 2401176-01 |
| RP0638B-WC-A1A2A3 | 2401176-02 |

# Sample Receiving Documents

# Sample Receipt Confirmation

**Work Order # 2401176**

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 07/19/2024 20:00 | Received in Lab: | 07/12/2024 14:50 |
| Received By: | Thoai Trinh | Method of Delivery: | ATL Courier |
| Logged In By: | Ethan Tran | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401176-01 RP0638B-WC-A1A2 [Soil] Sampled 07/12/2024 11:04** | | | |
| 6010_Exide_6 Metals Ver: NONE | 07/19/2024 20:00 | 01/08/2025 00:00 | 1 |
| **2401176-02 RP0638B-WC-A1A2A3 [Soil] Sampled 07/12/2024 11:10** | | | |
| 6010_Exide_6 Metals Ver: NONE | 07/19/2024 20:00 | 01/08/2025 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401176

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 17. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil | Laboratory ID: 2401176-01 | Laboratory ID: RP0638B-WC-A1A2

Sampled: 07/12/24 11:04 | Prepared: 07/12/24 18:00 | Analyzed: 07/23/24 22:40

Batch: B4G0756 | Sequence: S4G0618 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.8 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 3.9 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 1.3 | 0.06 | 1.0 | 1 | |
| 7440-50-8 | Copper | 50 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 120 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 270 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil | Laboratory ID: 2401176-02 | Laboratory ID: RP0638B-WC-A1A2A3

Sampled: 07/12/24 11:10 | Prepared: 07/12/24 18:00 | Analyzed: 07/23/24 22:42

Batch: B4G0756 | Sequence: S4G0618 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.6 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 2.4 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 0.67 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 27 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 30 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 89 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401176 |
| Client: | Parsons | Project: | RP0638B - 1240 S McBride Ave, Los Angeles, C |
| Batch: | B4G0756 Batch Matrix: Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| RP0638B-WC-A1A2 | 2401176-01 | 07/12/24 18:00 | 1.00 | 50 |
| RP0638B-WC-A1A2A3 | 2401176-02 | 07/12/24 18:00 | 1.00 | 50 |
| Blank | B4G0756-BLK1 | 07/14/24 19:57 | 1.00 | 50 |
| LCS | B4G0756-BS1 | 07/14/24 19:57 | 1.00 | 50 |
| Matrix Spike | B4G0756-MS1 | 07/15/24 10:10 | 1.00 | 50 |
| Matrix Spike Dup | B4G0756-MSD1 | 07/15/24 10:10 | 1.00 | 50 |
| Dilution Check | B4G0756-SRL1 | 07/14/24 19:57 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0756

**Extraction Method:** EPA 3050B_S

**Batch Start Date:** 07/15/2024 11:45 **Batch Analyst:** DL2

**Analysis Method:** EPA 6010B

**Batch End Date:** 07/15/2024 13:55

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401176-01 | RP0638B-WC-A1A2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401176-02 | RP0638B-WC-A1A2 A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0756-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0756-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0756-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401170-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0756-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401170-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0756-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2401170-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |
| A4G0395 | Hydrogen Peroxide | K54376509 |
| A4G0398 | Concentrated Nitric Acid | 240238 |
| A4F0571 | 1:1 Nitric Acid | NA |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |
| Thermometer ID | MPTHERM 09 | 935128 |
| Digestion Unit | DB01 | 4507CEC2139 |
| Pipette | MPP01 | 22E77439 |
| Dispenser ID | MPDISP02 | 347844 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Dispenser ID | MPDISP01 | 04K58398 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0756

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0756-BLK1 | Antimony | 0.217539 | 0.77 | 2.0 | 07/23/24 22:07 | U | EPA 6010B |
| | Arsenic | 0.106355 | 0.71 | 2.0 | 07/23/24 22:07 | U | EPA 6010B |
| | Cadmium | -0.547802 | 0.06 | 1.0 | 07/23/24 22:07 | U | EPA 6010B |
| | Copper | -0.031267 | 0.22 | 1.0 | 07/23/24 22:07 | U | EPA 6010B |
| | Lead | -0.069674 | 0.18 | 1.0 | 07/23/24 22:07 | U | EPA 6010B |
| | Zinc | -0.746162 | 0.30 | 2.0 | 07/23/24 22:07 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0756
Concentration Units: mg/kg

Laboratory ID: B4G0756-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 23.7936 | 25.0000 | 95.2 | | 80 - 120 |
| Arsenic | 24.3607 | 25.0000 | 97.4 | | 80 - 120 |
| Cadmium | 22.4905 | 25.0000 | 90.0 | | 80 - 120 |
| Copper | 23.9087 | 25.0000 | 95.6 | | 80 - 120 |
| Lead | 22.7272 | 25.0000 | 90.9 | | 80 - 120 |
| Zinc | 25.1564 | 25.0000 | 101 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0756
Concentration Units: mg/kg
Source Sample Name: **2401170-01**

Laboratory ID: B4G0756-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Antimony | 3.72802 | 21.5594 | 25.0000 | 71.3 | M2 | 75 - 125 |
| Arsenic | 5.73686 | 30.4616 | 25.0000 | 98.9 | | 75 - 125 |
| Cadmium | 0.867400 | 22.2075 | 25.0000 | 85.4 | | 75 - 125 |
| Copper | 27.1673 | 59.0168 | 25.0000 | 127 | M2 | 75 - 125 |
| Lead | 106.726 | 145.434 | 25.0000 | 155 | M2 | 75 - 125 |
| Zinc | 169.913 | 221.792 | 25.0000 | 208 | M2 | 75 - 125 |

Laboratory ID: B4G0756-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Antimony | 21.7337 | 72.0 | 0.805 | 25.0000 | M2 | 20 | 75 - 125 |
| Arsenic | 30.1034 | 97.5 | 1.18 | 25.0000 | | 20 | 75 - 125 |
| Cadmium | 23.0377 | 88.7 | 3.67 | 25.0000 | | 20 | 75 - 125 |
| Copper | 60.0204 | 131 | 1.69 | 25.0000 | M2 | 20 | 75 - 125 |
| Lead | 152.236 | 182 | 4.57 | 25.0000 | M2 | 20 | 75 - 125 |
| Zinc | 226.358 | 226 | 2.04 | 25.0000 | M2 | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0756

Concentration Units: mg/L

Source Sample Name: **2401170-01**

Laboratory ID: B4G0756-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0756-PS1 | | | | | | |
| Antimony | 0.074560 | 0.480922 | 0.500000 | 81.3 | | 75 - 125 |
| Arsenic | 0.114737 | 0.549109 | 0.500000 | 86.9 | | 75 - 125 |
| Cadmium | 0.017348 | 0.456931 | 0.500000 | 87.9 | | 75 - 125 |
| Copper | 0.543346 | 1.16134 | 0.500000 | 124 | | 75 - 125 |
| Lead | 2.13453 | 2.99130 | 0.500000 | 171 | M2 | 75 - 125 |
| Zinc | 3.39825 | 4.74524 | 0.500000 | 269 | M2 | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Sequence: S4G0618

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0618-IBL1 | 240723-01 RR-001 | 07/23/24 11:29 |
| Cal Standard | S4G0618-CAL1 | 240723-01 RR-002 | 07/23/24 11:31 |
| Cal Standard | S4G0618-CAL2 | 240723-01 RR-003 | 07/23/24 11:34 |
| Cal Standard | S4G0618-CAL3 | 240723-01 RR-004 | 07/23/24 11:36 |
| Cal Standard | S4G0618-CAL4 | 240723-01 RR-005 | 07/23/24 11:38 |
| Cal Standard | S4G0618-CAL5 | 240723-01 RR-006 | 07/23/24 11:40 |
| Cal Standard | S4G0618-CAL6 | 240723-01 RR-007 | 07/23/24 11:42 |
| Cal Standard | S4G0618-CAL7 | 240723-01 RR-008 | 07/23/24 11:45 |
| Initial Cal Check | S4G0618-ICV1 | 240723-01 RR-009 | 07/23/24 11:54 |
| Initial Cal Blank | S4G0618-ICB1 | 240723-01 RR-010 | 07/23/24 11:56 |
| Interference Check A | S4G0618-IFA1 | 240723-01 RR-012 | 07/23/24 12:02 |
| Interference Check B | S4G0618-IFB1 | 240723-01 RR-013 | 07/23/24 12:04 |
| Calibration Check | S4G0618-CCV3 | 240723-01 RR-037 | 07/23/24 16:11 |
| Calibration Blank | S4G0618-CCB3 | 240723-01 RR-038 | 07/23/24 16:13 |
| Calibration Check | S4G0618-CCVG | 240723-01 RR-194 | 07/23/24 21:57 |
| Calibration Blank | S4G0618-CCBG | 240723-01 RR-195 | 07/23/24 21:59 |
| Blank | B4G0756-BLK1 | 240723-01 RR-199 | 07/23/24 22:07 |
| LCS | B4G0756-BS1 | 240723-01 RR-200 | 07/23/24 22:09 |
| Matrix Spike | B4G0756-MS1 | 240723-01 RR-201 | 07/23/24 22:12 |
| Matrix Spike Dup | B4G0756-MSD1 | 240723-01 RR-202 | 07/23/24 22:14 |
| Post Spike | B4G0756-PS1 | 240723-01 RR-203 | 07/23/24 22:15 |
| Dilution Check | B4G0756-SRL1 | 240723-01 RR-204 | 07/23/24 22:17 |
| Calibration Check | S4G0618-CCVH | 240723-01 RR-206 | 07/23/24 22:22 |
| Calibration Blank | S4G0618-CCBH | 240723-01 RR-207 | 07/23/24 22:24 |
| RP0638B-WC-A1A2 | 2401176-01 | 240723-01 RR-213 | 07/23/24 22:40 |
| RP0638B-WC-A1A2A3 | 2401176-02 | 240723-01 RR-214 | 07/23/24 22:42 |
| Calibration Check | S4G0618-CCVI | 240723-01 RR-218 | 07/23/24 22:50 |
| Calibration Blank | S4G0618-CCBI | 240723-01 RR-219 | 07/23/24 22:52 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0618-ICV1 | Antimony | 0.500000 | 0.510697 | 102 | 07/23/24 11:54 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.524553 | 105 | 07/23/24 11:54 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.515796 | 103 | 07/23/24 11:54 | +/- 10.00% |
| | Copper | 0.500000 | 0.508044 | 102 | 07/23/24 11:54 | +/- 10.00% |
| | Lead | 0.500000 | 0.530972 | 106 | 07/23/24 11:54 | +/- 10.00% |
| | Zinc | 0.500000 | 0.532507 | 107 | 07/23/24 11:54 | +/- 10.00% |
| S4G0618-CCV3 | Antimony | 2.00000 | 1.95275 | 97.6 | 07/23/24 16:11 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.98807 | 99.4 | 07/23/24 16:11 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.14135 | 107 | 07/23/24 16:11 | +/- 10.00% |
| | Copper | 2.00000 | 2.08041 | 104 | 07/23/24 16:11 | +/- 10.00% |
| | Lead | 2.00000 | 1.91400 | 95.7 | 07/23/24 16:11 | +/- 10.00% |
| | Zinc | 2.00000 | 2.04638 | 102 | 07/23/24 16:11 | +/- 10.00% |
| S4G0618-CCVG | Antimony | 2.00000 | 1.89695 | 94.8 | 07/23/24 21:57 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.94241 | 97.1 | 07/23/24 21:57 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.97093 | 98.5 | 07/23/24 21:57 | +/- 10.00% |
| | Copper | 2.00000 | 2.03179 | 102 | 07/23/24 21:57 | +/- 10.00% |
| | Lead | 2.00000 | 1.86639 | 93.3 | 07/23/24 21:57 | +/- 10.00% |
| | Zinc | 2.00000 | 1.96299 | 98.1 | 07/23/24 21:57 | +/- 10.00% |
| S4G0618-CCVH | Antimony | 2.00000 | 1.89078 | 94.5 | 07/23/24 22:22 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.90466 | 95.2 | 07/23/24 22:22 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.98039 | 99.0 | 07/23/24 22:22 | +/- 10.00% |
| | Copper | 2.00000 | 2.03493 | 102 | 07/23/24 22:22 | +/- 10.00% |
| | Lead | 2.00000 | 1.83308 | 91.7 | 07/23/24 22:22 | +/- 10.00% |
| | Zinc | 2.00000 | 1.95827 | 97.9 | 07/23/24 22:22 | +/- 10.00% |
| S4G0618-CCVI | Antimony | 2.00000 | 1.88507 | 94.3 | 07/23/24 22:50 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.89526 | 94.8 | 07/23/24 22:50 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.95888 | 97.9 | 07/23/24 22:50 | +/- 10.00% |
| | Copper | 2.00000 | 2.01964 | 101 | 07/23/24 22:50 | +/- 10.00% |
| | Lead | 2.00000 | 1.84821 | 92.4 | 07/23/24 22:50 | +/- 10.00% |
| | Zinc | 2.00000 | 1.93470 | 96.7 | 07/23/24 22:50 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0618

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0618-ICB1 | Antimony | 0.014590 | 0.02 | 0.04 | 07/23/24 11:56 | | EPA 6010B |
| | Arsenic | 0.007974 | 0.01 | 0.04 | 07/23/24 11:56 | | EPA 6010B |
| | Cadmium | -0.007649 | 0.001 | 0.02 | 07/23/24 11:56 | U | EPA 6010B |
| | Copper | -0.002510 | 0.004 | 0.02 | 07/23/24 11:56 | U | EPA 6010B |
| | Lead | 0.012560 | 0.004 | 0.02 | 07/23/24 11:56 | B16 | EPA 6010B |
| | Zinc | -0.019178 | 0.006 | 0.04 | 07/23/24 11:56 | U | EPA 6010B |
| S4G0618-CCB3 | Antimony | 0.000831 | 0.02 | 0.04 | 07/23/24 16:13 | | EPA 6010B |
| | Arsenic | 0.005144 | 0.01 | 0.04 | 07/23/24 16:13 | | EPA 6010B |
| | Cadmium | -0.011988 | 0.001 | 0.02 | 07/23/24 16:13 | U | EPA 6010B |
| | Copper | -0.000100 | 0.004 | 0.02 | 07/23/24 16:13 | U | EPA 6010B |
| | Lead | -0.002628 | 0.004 | 0.02 | 07/23/24 16:13 | U | EPA 6010B |
| | Zinc | -0.018901 | 0.006 | 0.04 | 07/23/24 16:13 | U | EPA 6010B |
| S4G0618-CCBG | Antimony | 0.008171 | 0.02 | 0.04 | 07/23/24 21:59 | | EPA 6010B |
| | Arsenic | 0.004182 | 0.01 | 0.04 | 07/23/24 21:59 | | EPA 6010B |
| | Cadmium | -0.010624 | 0.001 | 0.02 | 07/23/24 21:59 | U | EPA 6010B |
| | Copper | -0.001044 | 0.004 | 0.02 | 07/23/24 21:59 | U | EPA 6010B |
| | Lead | -0.001556 | 0.004 | 0.02 | 07/23/24 21:59 | U | EPA 6010B |
| | Zinc | -0.016976 | 0.006 | 0.04 | 07/23/24 21:59 | U | EPA 6010B |
| S4G0618-CCBH | Antimony | 0.002686 | 0.02 | 0.04 | 07/23/24 22:24 | | EPA 6010B |
| | Arsenic | 0.009993 | 0.01 | 0.04 | 07/23/24 22:24 | | EPA 6010B |
| | Cadmium | -0.011126 | 0.001 | 0.02 | 07/23/24 22:24 | U | EPA 6010B |
| | Copper | -0.000256 | 0.004 | 0.02 | 07/23/24 22:24 | U | EPA 6010B |
| | Lead | -0.000217 | 0.004 | 0.02 | 07/23/24 22:24 | U | EPA 6010B |
| | Zinc | -0.016130 | 0.006 | 0.04 | 07/23/24 22:24 | U | EPA 6010B |
| S4G0618-CCBI | Antimony | -1.2906E-3 | 0.02 | 0.04 | 07/23/24 22:52 | U | EPA 6010B |
| | Arsenic | 0.006208 | 0.01 | 0.04 | 07/23/24 22:52 | | EPA 6010B |
| | Cadmium | -0.010312 | 0.001 | 0.02 | 07/23/24 22:52 | U | EPA 6010B |
| | Copper | -0.001169 | 0.004 | 0.02 | 07/23/24 22:52 | U | EPA 6010B |
| | Lead | 0.002614 | 0.004 | 0.02 | 07/23/24 22:52 | | EPA 6010B |
| | Zinc | -0.015031 | 0.006 | 0.04 | 07/23/24 22:52 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0618-IFA1 | Antimony | | 0.02003 | mg/L | | <0.04 | 7/23/24 12:02 |
| | Arsenic | | 0.00849 | mg/L | | <0.04 | 7/23/24 12:02 |
| | Cadmium | | -0.00391 | mg/L | | <0.02 | 7/23/24 12:02 |
| | Copper | | -0.01061 | mg/L | | <0.02 | 7/23/24 12:02 |
| | Lead | | -0.03475 | mg/L | | <0.02 | 7/23/24 12:02 |
| | Zinc | | -0.02242 | mg/L | | <0.04 | 7/23/24 12:02 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0618-IFB1 | Antimony | 0.500000 | 0.49209 | mg/L | 2 | ±20.00 % | 7/23/24 12:04 |
| | Arsenic | 0.500000 | 0.49529 | mg/L | 1 | ±20.00 % | 7/23/24 12:04 |
| | Cadmium | 0.500000 | 0.50218 | mg/L | 0 | ±20.00 % | 7/23/24 12:04 |
| | Copper | 0.500000 | 0.51658 | mg/L | -3 | ±20.00 % | 7/23/24 12:04 |
| | Lead | 0.500000 | 0.45881 | mg/L | 8 | ±20.00 % | 7/23/24 12:04 |
| | Zinc | 0.500000 | 0.44412 | mg/L | 11 | ±20.00 % | 7/23/24 12:04 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instructio n: Complete all shaded areas .*

21 2401176

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐SO ☐Other:

Sample Conditions Upon Receipt

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | | | Address: 100 W. Walnut Street | | Tel: |
| | | | City: Pasadena | State: CA / Zip: 91124 | Fax: |
| SEND REPORT TO: | | | SEND INVOICE TO: ☐ same as SEND REPORT TO | | EDD: Excel ☐ EDF ☐ Equis ☐ / QA/QC: Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ |
| Attn: Tom Blaney | Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | | Attn: | Email: | |
| Company: Parsons | | | Company: | | |
| Address: 100 W. Walnut Street | | | Address: | | |
| City: Pasadena | State: CA | Zip: 91124 | City: | State: / Zip: | |

Project Name: DTSC Exide Residential
Site Address: 1240 S McBride Ave, Los Angeles CA 90022
Project No.: 684735
Sampler: Brenda Ballesteros
Quote #:
Site ID: RP0638B
PO #:

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Material: 1=Glass; 2=Plastic; 3=Metal | Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NaOH+ZnAc2 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | RP0638B-WC-A1A2 | RP0638B-WC | 7/12/2024 | 1104 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | RP0638B-WC-A1A2A3 | RP0638B-WC | 7/12/2024 | 1110 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Brenda B | 7/12/24 | 1400 | Kathryn | 7-12-24 | 1400 |
| Kathryn | 7-12-24 | 1420 | | 7/12/24 | 1420 |
| C. L | 7/12/24 | 1450 | Jhon | 7/12/24 | 14:50 |



Table of Contents

# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0417
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0417 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0473 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0418
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0418 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0472 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0419
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0419 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0420
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0420 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0421
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0421 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0422
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0422 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0423
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0423 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0439 | na | 200.0000 |
| A3J0570 | 2325728-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0424
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0424 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0432
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/15/2024
**Date Expires:** 07/29/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0432 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3J0482 | 2222032-100 | 3.0000 |
| A0B0014 | 220015067 | 0.1500 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0436
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0438
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0438 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0436 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# Report Prepared For:

## Parsons

# Client Project Description:

RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

# ATL Work Order: 2401176

Date of Preparation: 08-05-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401176


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August 05, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401176

Client Reference : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Enclosed are the results for sample(s) received on July 12, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/05/24 17:09 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/05/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| RP0638B-WC-A1A2 | 2401176-01 | Soil | 7/12/24 11:04 | 7/12/24 14:50 |
| RP0638B-WC-A1A2A3 | 2401176-02 | Soil | 7/12/24 11:10 | 7/12/24 14:50 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/05/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on July 12th, 2024 at 14:50. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/05/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| B16 | Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| B13 | Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/05/2024 |

## TCLP Metals by ICP-AES EPA 6010B

**Analyte: Lead** **Analyst: NP**

| Laboratory ID | Client Sample ID | Result | Units | PQL | MDL | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 2401176-01 | RP0638B-WC-A 1A2 | **ND** | mg/L | 0.10 | 0.020 | 5 | B4G1024 | 07/31/2024 | 08/01/24 17:32 | U |

## STLC Metals by ICP-AES by EPA 6010B

**Analyte: Lead** **Analyst: NP**

| Laboratory ID | Client Sample ID | Result | Units | PQL | MDL | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 2401176-01 | RP0638B-WC-A 1A2 | **4.7** | mg/L | 0.10 | 0.020 | 5 | B4H0516 | 08/02/2024 | 08/02/24 23:22 | |

**Client Sample ID: RP0638B-WC-A1A2**

**Lab ID: 2401176-01**

## Total Metals by ICP-AES EPA 6010B

**Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.8** | 2.0 | 0.77 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |
| **Arsenic** | **3.9** | 2.0 | 0.71 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |
| **Cadmium** | **1.3** | 1.0 | 0.06 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |
| **Copper** | **50** | 1.0 | 0.22 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |
| **Lead** | **120** | 1.0 | 0.18 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |
| **Zinc** | **270** | 2.0 | 0.30 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:40 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/05/2024 |

## Client Sample ID: RP0638B-WC-A1A2A3

## Lab ID: 2401176-02

**Total Metals by ICP-AES EPA 6010B** **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.6** | 2.0 | 0.77 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | |
| **Arsenic** | **2.4** | 2.0 | 0.71 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | |
| **Cadmium** | **0.67** | 1.0 | 0.06 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | J |
| **Copper** | **27** | 1.0 | 0.22 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | |
| **Lead** | **30** | 1.0 | 0.18 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | |
| **Zinc** | **89** | 2.0 | 0.30 | 1 | B4G0756 | 07/12/2024 | 07/23/24 22:42 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/05/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0756 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4G0756-BLK1)** | | | | | | Prepared: 7/14/2024 Analyzed: 7/23/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | ND | 1.0 | 0.22 | | | | | | | U |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4G0756-BS1)** | | | | | | Prepared: 7/14/2024 Analyzed: 7/23/2024 | | | | |
| Antimony | 23.7936 | 2.0 | 0.77 | 25.0000 | | 95.2 | 80 - 120 | | | |
| Arsenic | 24.3607 | 2.0 | 0.71 | 25.0000 | | 97.4 | 80 - 120 | | | |
| Cadmium | 22.4905 | 1.0 | 0.06 | 25.0000 | | 90.0 | 80 - 120 | | | |
| Copper | 23.9087 | 1.0 | 0.22 | 25.0000 | | 95.6 | 80 - 120 | | | |
| Lead | 22.7272 | 1.0 | 0.18 | 25.0000 | | 90.9 | 80 - 120 | | | |
| Zinc | 25.1564 | 2.0 | 0.30 | 25.0000 | | 101 | 80 - 120 | | | |
| **Matrix Spike (B4G0756-MS1)** | | | **Source: 2401170-01** | | | Prepared: 7/15/2024 Analyzed: 7/23/2024 | | | | |
| Antimony | 21.5594 | 2.0 | 0.77 | 25.0000 | 3.72802 | 71.3 | 75 - 125 | | | M2 |
| Arsenic | 30.4616 | 2.0 | 0.71 | 25.0000 | 5.73686 | 98.9 | 75 - 125 | | | |
| Cadmium | 22.2075 | 1.0 | 0.06 | 25.0000 | 0.867400 | 85.4 | 75 - 125 | | | |
| Copper | 59.0168 | 1.0 | 0.22 | 25.0000 | 27.1673 | 127 | 75 - 125 | | | M2 |
| Lead | 145.434 | 1.0 | 0.18 | 25.0000 | 106.726 | 155 | 75 - 125 | | | M2 |
| Zinc | 221.792 | 2.0 | 0.30 | 25.0000 | 169.913 | 208 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4G0756-MSD1)** | | | **Source: 2401170-01** | | | Prepared: 7/15/2024 Analyzed: 7/23/2024 | | | | |
| Antimony | 21.7337 | 2.0 | 0.77 | 25.0000 | 3.72802 | 72.0 | 75 - 125 | 0.805 | 20 | M2 |
| Arsenic | 30.1034 | 2.0 | 0.71 | 25.0000 | 5.73686 | 97.5 | 75 - 125 | 1.18 | 20 | |
| Cadmium | 23.0377 | 1.0 | 0.06 | 25.0000 | 0.867400 | 88.7 | 75 - 125 | 3.67 | 20 | |
| Copper | 60.0204 | 1.0 | 0.22 | 25.0000 | 27.1673 | 131 | 75 - 125 | 1.69 | 20 | M2 |
| Lead | 152.236 | 1.0 | 0.18 | 25.0000 | 106.726 | 182 | 75 - 125 | 4.57 | 20 | M2 |
| Zinc | 226.358 | 2.0 | 0.30 | 25.0000 | 169.913 | 226 | 75 - 125 | 2.04 | 20 | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/05/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0756 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4G0756-PS1)** | | | **Source: 2401170-01** | | Prepared: 7/14/2024 Analyzed: 7/23/2024 | | | | |
| Antimony | 0.480922 | | 0.500000 | 0.074560 | 81.3 | 75 - 125 | | | |
| Arsenic | 0.549109 | | 0.500000 | 0.114737 | 86.9 | 75 - 125 | | | |
| Cadmium | 0.456931 | | 0.500000 | 0.017348 | 87.9 | 75 - 125 | | | |
| Copper | 1.16134 | | 0.500000 | 0.543346 | 124 | 75 - 125 | | | |
| Lead | 2.99130 | | 0.500000 | 2.13453 | 171 | 75 - 125 | | | M2 |
| Zinc | 4.74524 | | 0.500000 | 3.39825 | 269 | 75 - 125 | | | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/05/2024 |

## TCLP Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G1024 - EPA 3010A_TCLP_S** | | | | | | | | | | |
| **Blank (B4G1024-BLK1)** | | | | | | Prepared: 7/31/2024 Analyzed: 7/31/2024 | | | | |
| Lead | ND | 0.10 | 0.020 | | | | | | | U |
| **LCS (B4G1024-BS1)** | | | | | | Prepared: 7/31/2024 Analyzed: 7/31/2024 | | | | |
| Lead | 0.450904 | 0.10 | 0.020 | 0.500000 | | 90.2 | 80 - 120 | | | |
| **Matrix Spike (B4G1024-MS1)** | | | **Source: 2401172-01** | | | Prepared: 7/31/2024 Analyzed: 7/31/2024 | | | | |
| Lead | 0.517996 | 0.10 | 0.020 | 0.500000 | ND | 104 | 75 - 125 | | | |
| **Matrix Spike Dup (B4G1024-MSD1)** | | | **Source: 2401172-01** | | | Prepared: 7/31/2024 Analyzed: 7/31/2024 | | | | |
| Lead | 0.469832 | 0.10 | 0.020 | 0.500000 | ND | 94.0 | 75 - 125 | 9.75 | 20 | |
| **Post Spike (B4G1024-PS1)** | | | **Source: 2401172-01** | | | Prepared: 7/31/2024 Analyzed: 8/1/2024 | | | | |
| Lead | 0.551469 | | | 0.500000 | -0.011698 | 110 | 75 - 125 | | | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/05/2024 |

## STLC Metals by ICP-AES by EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4H0516 - STLC_S Extraction** | | | | | | | | | | |
| **Blank (B4H0516-BLK1)** | | | | | | Prepared: 8/2/2024 Analyzed: 8/2/2024 | | | | |
| Lead | ND | 0.10 | 0.020 | | | | | | | U |
| **LCS (B4H0516-BS1)** | | | | | | Prepared: 8/2/2024 Analyzed: 8/2/2024 | | | | |
| Lead | 0.464536 | 0.10 | 0.020 | 0.500000 | | 92.9 | 80 - 120 | | | |
| **Matrix Spike (B4H0516-MS1)** | | | **Source: 2400776-02** | | | Prepared: 8/2/2024 Analyzed: 8/2/2024 | | | | |
| Lead | 1.84342 | 0.10 | 0.020 | 0.500000 | 2.52645 | -137 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4H0516-MSD1)** | | | **Source: 2400776-02** | | | Prepared: 8/2/2024 Analyzed: 8/2/2024 | | | | |
| Lead | 1.81984 | 0.10 | 0.020 | 0.500000 | 2.52645 | -141 | 75 - 125 | 1.29 | 20 | M2 |
| **Post Spike (B4H0516-PS1)** | | | **Source: 2400776-02** | | | Prepared: 8/2/2024 Analyzed: 8/2/2024 | | | | |
| Lead | 2.87441 | | | 0.500000 | 2.52645 | 69.6 | 75 - 125 | | | M2 |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instructio n: Complete all shaded areas .*

21 2401176

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐GSO ☐Other:

Sample Conditions Upon Receipt

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | | | Address: 100 W. Walnut Street | | Tel: |
| | | | City: Pasadena | State: CA / Zip: 91124 | Fax: |
| SEND REPORT TO: | | | SEND INVOICE TO: ☐ same as SEND REPORT TO | | |
| Attn: Tom Blaney | Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | | Attn: | Email: | |
| Company: Parsons | | | Company: | | |
| Address: 100 W. Walnut Street | | | Address: | | |
| City: Pasadena | State: CA | Zip: 91124 | City: | State: | Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

| | | |
|---|---|---|
| Project Name: DTSC Exide Residential | Quote #: | |
| Site Address: 1240 S McBride Ave, Los Angeles CA 90022 | Site ID: RP0638B | |
| Project No.: 684735 | PO #: | |
| Sampler: Brenda Ballesteros | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type | Material | Preservative | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | RP0638B-WC-A1A2 | RP0638B-WC | 7/12/2024 | 1104 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | RP0638B-WC-A1A2A3 | RP0638B-WC | 7/12/2024 | 1110 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

Requested Analysis / Sample Matrix / Container

Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister
Material: 1=Glass; 2=Plastic; 3=Metal
Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NaS2O3

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Brenda B | 7/12/24 | 1400 | | 7-12-24 | 1400 |
| | 7-12-24 | 1420 | | 7/12/24 | 1420 |
| | 7/12/24 | 1450 | | 7/12/24 | 14:50 |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Monday, July 29, 2024 1:33 PM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. RP0638B-WC-A1A2 (LAB REPORT 2401176): STLC and TCLP for lead
2. PIA-06096-WC-A1A2 (LAB REPORT 2401174): STLC and TCLP for lead
3. PIA-06096-WC-A1A2A3 (LAB REPORT 2401174): STLC for lead
4. E0474-WC-A1A2 (LAB REPORT 2401180): STLC and TCLP for lead
5. E0474-WC-A1A2A3 (LAB REPORT 2401180): STLC and TCLP for lead
6. RP2759B-WC-A1A2 (LAB REPORT 2401172): STLC and TCLP for lead
7. D1431-WC-A1A2 (LAB REPORT 2401170): STLC and TCLP for lead
8. D1431-WC-A1A2A3 (LAB REPORT 2401170): STLC for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# Sample Receiving Documents

# Sample Receipt Confirmation

## Work Order # 2401176

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 08/05/2024 20:00 | Received in Lab: | 07/12/2024 14:50 |
| Received By: | Thoai Trinh | Method of Delivery: | ATL Courier |
| Logged In By: | Ethan Tran | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401176-01 RP0638B-WC-A1A2 [Soil] Sampled 07/12/2024 11:04** | | | |
| 6010_TCLP Ver: Pb | 08/05/2024 20:00 | 01/08/2025 00:00 | |
| 6010_STLC Ver: Pb | 08/05/2024 20:00 | 01/08/2025 00:00 | |
| 6010_Exide_6 Metals Ver: NONE | 08/05/2024 20:00 | 01/08/2025 00:00 | 1 |
| **2401176-02 RP0638B-WC-A1A2A3 [Soil] Sampled 07/12/2024 11:10** | | | |
| 6010_Exide_6 Metals Ver: NONE | 08/05/2024 20:00 | 01/08/2025 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401176

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 17. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| RP0638B-WC-A1A2 | 2401176-01 |
| RP0638B-WC-A1A2A3 | 2401176-02 |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil | Laboratory ID: 2401176-01 | Laboratory ID: RP0638B-WC-A1A2

Sampled: 07/12/24 11:04 | Prepared: 07/12/24 18:00 | Analyzed: 07/23/24 22:40

Batch: B4G0756 | Sequence: S4G0618 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.8 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 3.9 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 1.3 | 0.06 | 1.0 | 1 | |
| 7440-50-8 | Copper | 50 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 120 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 270 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil | Laboratory ID: 2401176-02 | Laboratory ID: RP0638B-WC-A1A2A3

Sampled: 07/12/24 11:10 | Prepared: 07/12/24 18:00 | Analyzed: 07/23/24 22:42

Batch: B4G0756 | Sequence: S4G0618 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.6 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 2.4 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 0.67 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 27 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 30 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 89 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401176 |
| Client: | Parsons | Project: | RP0638B - 1240 S McBride Ave, Los Angeles, C |
| Batch: | B4G0756 Batch Matrix: Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| RP0638B-WC-A1A2 | 2401176-01 | 07/12/24 18:00 | 1.00 | 50 |
| RP0638B-WC-A1A2A3 | 2401176-02 | 07/12/24 18:00 | 1.00 | 50 |
| Blank | B4G0756-BLK1 | 07/14/24 19:57 | 1.00 | 50 |
| LCS | B4G0756-BS1 | 07/14/24 19:57 | 1.00 | 50 |
| Matrix Spike | B4G0756-MS1 | 07/15/24 10:10 | 1.00 | 50 |
| Matrix Spike Dup | B4G0756-MSD1 | 07/15/24 10:10 | 1.00 | 50 |
| Dilution Check | B4G0756-SRL1 | 07/14/24 19:57 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0756

**Extraction Method:** EPA 3050B_S

**Batch Start Date:** 07/15/2024 11:45 **Batch Analyst:** DL2

**Analysis Method:** EPA 6010B

**Batch End Date:** 07/15/2024 13:55

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401176-01 | RP0638B-WC-A1A2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401176-02 | RP0638B-WC-A1A2 A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0756-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0756-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0756-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401170-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0756-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401170-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0756-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2401170-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4G0398 | Concentrated Nitric Acid | 240238 |
| A4F0571 | 1:1 Nitric Acid | NA |
| A4G0395 | Hydrogen Peroxide | K54376509 |
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Thermometer ID | MPTHERM 09 | 935128 |
| Digestion Unit | DB01 | 4507CEC2139 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |
| Pipette | MPP01 | 22E77439 |
| Dispenser ID | MPDISP01 | 04K58398 |
| Dispenser ID | MPDISP02 | 347844 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0756

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0756-BLK1 | Antimony | 0.217539 | 0.77 | 2.0 | 07/23/24 22:07 | U | EPA 6010B |
| | Arsenic | 0.106355 | 0.71 | 2.0 | 07/23/24 22:07 | U | EPA 6010B |
| | Cadmium | -0.547802 | 0.06 | 1.0 | 07/23/24 22:07 | U | EPA 6010B |
| | Copper | -0.031267 | 0.22 | 1.0 | 07/23/24 22:07 | U | EPA 6010B |
| | Lead | -0.069674 | 0.18 | 1.0 | 07/23/24 22:07 | U | EPA 6010B |
| | Zinc | -0.746162 | 0.30 | 2.0 | 07/23/24 22:07 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

### EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0756
Concentration Units: mg/kg

Laboratory ID: B4G0756-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 23.7936 | 25.0000 | 95.2 | | 80 - 120 |
| Arsenic | 24.3607 | 25.0000 | 97.4 | | 80 - 120 |
| Cadmium | 22.4905 | 25.0000 | 90.0 | | 80 - 120 |
| Copper | 23.9087 | 25.0000 | 95.6 | | 80 - 120 |
| Lead | 22.7272 | 25.0000 | 90.9 | | 80 - 120 |
| Zinc | 25.1564 | 25.0000 | 101 | | 80 - 120 |

# Instrument QC

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0756

Concentration Units: mg/L

Source Sample Name: **2401170-01**

Laboratory ID: B4G0756-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0756-PS1 | | | | | | |
| Antimony | 0.074560 | 0.480922 | 0.500000 | 81.3 | | 75 - 125 |
| Arsenic | 0.114737 | 0.549109 | 0.500000 | 86.9 | | 75 - 125 |
| Cadmium | 0.017348 | 0.456931 | 0.500000 | 87.9 | | 75 - 125 |
| Copper | 0.543346 | 1.16134 | 0.500000 | 124 | | 75 - 125 |
| Lead | 2.13453 | 2.99130 | 0.500000 | 171 | M2 | 75 - 125 |
| Zinc | 3.39825 | 4.74524 | 0.500000 | 269 | M2 | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Sequence: S4G0618

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0618-IBL1 | 240723-01 RR-001 | 07/23/24 11:29 |
| Cal Standard | S4G0618-CAL1 | 240723-01 RR-002 | 07/23/24 11:31 |
| Cal Standard | S4G0618-CAL2 | 240723-01 RR-003 | 07/23/24 11:34 |
| Cal Standard | S4G0618-CAL3 | 240723-01 RR-004 | 07/23/24 11:36 |
| Cal Standard | S4G0618-CAL4 | 240723-01 RR-005 | 07/23/24 11:38 |
| Cal Standard | S4G0618-CAL5 | 240723-01 RR-006 | 07/23/24 11:40 |
| Cal Standard | S4G0618-CAL6 | 240723-01 RR-007 | 07/23/24 11:42 |
| Cal Standard | S4G0618-CAL7 | 240723-01 RR-008 | 07/23/24 11:45 |
| Initial Cal Check | S4G0618-ICV1 | 240723-01 RR-009 | 07/23/24 11:54 |
| Initial Cal Blank | S4G0618-ICB1 | 240723-01 RR-010 | 07/23/24 11:56 |
| Interference Check A | S4G0618-IFA1 | 240723-01 RR-012 | 07/23/24 12:02 |
| Interference Check B | S4G0618-IFB1 | 240723-01 RR-013 | 07/23/24 12:04 |
| Calibration Check | S4G0618-CCV3 | 240723-01 RR-037 | 07/23/24 16:11 |
| Calibration Blank | S4G0618-CCB3 | 240723-01 RR-038 | 07/23/24 16:13 |
| Calibration Check | S4G0618-CCVG | 240723-01 RR-194 | 07/23/24 21:57 |
| Calibration Blank | S4G0618-CCBG | 240723-01 RR-195 | 07/23/24 21:59 |
| Blank | B4G0756-BLK1 | 240723-01 RR-199 | 07/23/24 22:07 |
| LCS | B4G0756-BS1 | 240723-01 RR-200 | 07/23/24 22:09 |
| Matrix Spike | B4G0756-MS1 | 240723-01 RR-201 | 07/23/24 22:12 |
| Matrix Spike Dup | B4G0756-MSD1 | 240723-01 RR-202 | 07/23/24 22:14 |
| Post Spike | B4G0756-PS1 | 240723-01 RR-203 | 07/23/24 22:15 |
| Dilution Check | B4G0756-SRL1 | 240723-01 RR-204 | 07/23/24 22:17 |
| Calibration Check | S4G0618-CCVH | 240723-01 RR-206 | 07/23/24 22:22 |
| Calibration Blank | S4G0618-CCBH | 240723-01 RR-207 | 07/23/24 22:24 |
| RP0638B-WC-A1A2 | 2401176-01 | 240723-01 RR-213 | 07/23/24 22:40 |
| RP0638B-WC-A1A2A3 | 2401176-02 | 240723-01 RR-214 | 07/23/24 22:42 |
| Calibration Check | S4G0618-CCVI | 240723-01 RR-218 | 07/23/24 22:50 |
| Calibration Blank | S4G0618-CCBI | 240723-01 RR-219 | 07/23/24 22:52 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0618-ICV1 | Antimony | 0.500000 | 0.510697 | 102 | 07/23/24 11:54 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.524553 | 105 | 07/23/24 11:54 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.515796 | 103 | 07/23/24 11:54 | +/- 10.00% |
| | Copper | 0.500000 | 0.508044 | 102 | 07/23/24 11:54 | +/- 10.00% |
| | Lead | 0.500000 | 0.530972 | 106 | 07/23/24 11:54 | +/- 10.00% |
| | Zinc | 0.500000 | 0.532507 | 107 | 07/23/24 11:54 | +/- 10.00% |
| S4G0618-CCV3 | Antimony | 2.00000 | 1.95275 | 97.6 | 07/23/24 16:11 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.98807 | 99.4 | 07/23/24 16:11 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.14135 | 107 | 07/23/24 16:11 | +/- 10.00% |
| | Copper | 2.00000 | 2.08041 | 104 | 07/23/24 16:11 | +/- 10.00% |
| | Lead | 2.00000 | 1.91400 | 95.7 | 07/23/24 16:11 | +/- 10.00% |
| | Zinc | 2.00000 | 2.04638 | 102 | 07/23/24 16:11 | +/- 10.00% |
| S4G0618-CCVG | Antimony | 2.00000 | 1.89695 | 94.8 | 07/23/24 21:57 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.94241 | 97.1 | 07/23/24 21:57 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.97093 | 98.5 | 07/23/24 21:57 | +/- 10.00% |
| | Copper | 2.00000 | 2.03179 | 102 | 07/23/24 21:57 | +/- 10.00% |
| | Lead | 2.00000 | 1.86639 | 93.3 | 07/23/24 21:57 | +/- 10.00% |
| | Zinc | 2.00000 | 1.96299 | 98.1 | 07/23/24 21:57 | +/- 10.00% |
| S4G0618-CCVH | Antimony | 2.00000 | 1.89078 | 94.5 | 07/23/24 22:22 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.90466 | 95.2 | 07/23/24 22:22 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.98039 | 99.0 | 07/23/24 22:22 | +/- 10.00% |
| | Copper | 2.00000 | 2.03493 | 102 | 07/23/24 22:22 | +/- 10.00% |
| | Lead | 2.00000 | 1.83308 | 91.7 | 07/23/24 22:22 | +/- 10.00% |
| | Zinc | 2.00000 | 1.95827 | 97.9 | 07/23/24 22:22 | +/- 10.00% |
| S4G0618-CCVI | Antimony | 2.00000 | 1.88507 | 94.3 | 07/23/24 22:50 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.89526 | 94.8 | 07/23/24 22:50 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.95888 | 97.9 | 07/23/24 22:50 | +/- 10.00% |
| | Copper | 2.00000 | 2.01964 | 101 | 07/23/24 22:50 | +/- 10.00% |
| | Lead | 2.00000 | 1.84821 | 92.4 | 07/23/24 22:50 | +/- 10.00% |
| | Zinc | 2.00000 | 1.93470 | 96.7 | 07/23/24 22:50 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0618

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0618-ICB1 | Antimony | 0.014590 | 0.02 | 0.04 | 07/23/24 11:56 | | EPA 6010B |
| | Arsenic | 0.007974 | 0.01 | 0.04 | 07/23/24 11:56 | | EPA 6010B |
| | Cadmium | -0.007649 | 0.001 | 0.02 | 07/23/24 11:56 | U | EPA 6010B |
| | Copper | -0.002510 | 0.004 | 0.02 | 07/23/24 11:56 | U | EPA 6010B |
| | Lead | 0.012560 | 0.004 | 0.02 | 07/23/24 11:56 | B16 | EPA 6010B |
| | Zinc | -0.019178 | 0.006 | 0.04 | 07/23/24 11:56 | U | EPA 6010B |
| S4G0618-CCB3 | Antimony | 0.000831 | 0.02 | 0.04 | 07/23/24 16:13 | | EPA 6010B |
| | Arsenic | 0.005144 | 0.01 | 0.04 | 07/23/24 16:13 | | EPA 6010B |
| | Cadmium | -0.011988 | 0.001 | 0.02 | 07/23/24 16:13 | U | EPA 6010B |
| | Copper | -0.000100 | 0.004 | 0.02 | 07/23/24 16:13 | U | EPA 6010B |
| | Lead | -0.002628 | 0.004 | 0.02 | 07/23/24 16:13 | U | EPA 6010B |
| | Zinc | -0.018901 | 0.006 | 0.04 | 07/23/24 16:13 | U | EPA 6010B |
| S4G0618-CCBG | Antimony | 0.008171 | 0.02 | 0.04 | 07/23/24 21:59 | | EPA 6010B |
| | Arsenic | 0.004182 | 0.01 | 0.04 | 07/23/24 21:59 | | EPA 6010B |
| | Cadmium | -0.010624 | 0.001 | 0.02 | 07/23/24 21:59 | U | EPA 6010B |
| | Copper | -0.001044 | 0.004 | 0.02 | 07/23/24 21:59 | U | EPA 6010B |
| | Lead | -0.001556 | 0.004 | 0.02 | 07/23/24 21:59 | U | EPA 6010B |
| | Zinc | -0.016976 | 0.006 | 0.04 | 07/23/24 21:59 | U | EPA 6010B |
| S4G0618-CCBH | Antimony | 0.002686 | 0.02 | 0.04 | 07/23/24 22:24 | | EPA 6010B |
| | Arsenic | 0.009993 | 0.01 | 0.04 | 07/23/24 22:24 | | EPA 6010B |
| | Cadmium | -0.011126 | 0.001 | 0.02 | 07/23/24 22:24 | U | EPA 6010B |
| | Copper | -0.000256 | 0.004 | 0.02 | 07/23/24 22:24 | U | EPA 6010B |
| | Lead | -0.000217 | 0.004 | 0.02 | 07/23/24 22:24 | U | EPA 6010B |
| | Zinc | -0.016130 | 0.006 | 0.04 | 07/23/24 22:24 | U | EPA 6010B |
| S4G0618-CCBI | Antimony | -1.2906E-3 | 0.02 | 0.04 | 07/23/24 22:52 | U | EPA 6010B |
| | Arsenic | 0.006208 | 0.01 | 0.04 | 07/23/24 22:52 | | EPA 6010B |
| | Cadmium | -0.010312 | 0.001 | 0.02 | 07/23/24 22:52 | U | EPA 6010B |
| | Copper | -0.001169 | 0.004 | 0.02 | 07/23/24 22:52 | U | EPA 6010B |
| | Lead | 0.002614 | 0.004 | 0.02 | 07/23/24 22:52 | | EPA 6010B |
| | Zinc | -0.015031 | 0.006 | 0.04 | 07/23/24 22:52 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0618-IFA1 | Antimony | | 0.02003 | mg/L | | <0.04 | 7/23/24 12:02 |
| | Arsenic | | 0.00849 | mg/L | | <0.04 | 7/23/24 12:02 |
| | Cadmium | | -0.00391 | mg/L | | <0.02 | 7/23/24 12:02 |
| | Copper | | -0.01061 | mg/L | | <0.02 | 7/23/24 12:02 |
| | Lead | | -0.03475 | mg/L | | <0.02 | 7/23/24 12:02 |
| | Zinc | | -0.02242 | mg/L | | <0.04 | 7/23/24 12:02 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4G0618
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0618-IFB1 | Antimony | 0.500000 | 0.49209 | mg/L | 2 | ±20.00 % | 7/23/24 12:04 |
| | Arsenic | 0.500000 | 0.49529 | mg/L | 1 | ±20.00 % | 7/23/24 12:04 |
| | Cadmium | 0.500000 | 0.50218 | mg/L | 0 | ±20.00 % | 7/23/24 12:04 |
| | Copper | 0.500000 | 0.51658 | mg/L | -3 | ±20.00 % | 7/23/24 12:04 |
| | Lead | 0.500000 | 0.45881 | mg/L | 8 | ±20.00 % | 7/23/24 12:04 |
| | Zinc | 0.500000 | 0.44412 | mg/L | 11 | ±20.00 % | 7/23/24 12:04 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Sample Data

# ANALYSIS DATA SHEET
# WET/EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil | Laboratory ID: 2401176-01 | Laboratory ID: RP0638B-WC-A1A2

Sampled: 07/12/24 11:04 | Prepared: 08/02/24 16:35 | Analyzed: 08/02/24 23:22

Batch: B4H0516 | Sequence: S4H0345 | Instrument: ICP-16

Preparation: STLC_S Extraction | Method: WET/EPA 6010B | Concentration Units: mg/L

Leach Batch: B4G1031 | Leach Method: STLC_S Extraction

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 4.7 | 0.020 | 0.10 | 5 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401176 |
| Client: | Parsons | Project: | RP0638B - 1240 S McBride Ave, Los Angeles, C |
| Batch: | B4H0516 Batch Matrix: Soil | Preparation: | STLC_S Extraction |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| RP0638B-WC-A1A2 | 2401176-01 | 08/02/24 16:35 | 25.00 | 25 |
| Blank | B4H0516-BLK1 | 08/02/24 16:35 | 25.00 | 25 |
| LCS | B4H0516-BS1 | 08/02/24 16:35 | 25.00 | 25 |
| Matrix Spike | B4H0516-MS1 | 08/02/24 16:35 | 25.00 | 25 |
| Matrix Spike Dup | B4H0516-MSD1 | 08/02/24 16:35 | 25.00 | 25 |
| Dilution Check | B4H0516-SRL1 | 08/02/24 16:35 | 25.00 | 25 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4H0516

**Extraction Method:** STLC_S Extraction

**Batch Start Date:**

**Batch Analyst:** CH

**Analysis Method:** WET/EPA 6010B

**Batch End Date:**

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401176-01 | RP0638B-WC-A1A2 | 25.00 | 25.00 | | | | | | | | |
| B4H0516-BLK1 | Blank | 25.00 | 25.00 | | | | | | | | |
| B4H0516-BS1 | LCS | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | | | | | | |
| B4H0516-MS1 | Matrix Spike | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2400776-02 | | | | | |
| B4H0516-MSD1 | Matrix Spike Dup | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2400776-02 | | | | | |
| B4H0516-SRL1 | Dilution Check | 25.00 | 25.00 | | | 2400776-02 | | | | | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|

# METHOD BLANK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0516

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4H0516-BLK1 | Lead | -0.025933 | 0.020 | 0.10 | 08/2/24 22:35 | U | WET/EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0516
Concentration Units: mg/L
Laboratory ID: B4H0516-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Lead | 0.464536 | 0.500000 | 92.9 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0516

Concentration Units: mg/L

Source Sample Name: **2400776-02**

Laboratory ID: B4H0516-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Lead | 2.52645 | 1.84342 | 0.500000 | -137 | M2 | 75 - 125 |

Laboratory ID: B4H0516-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Lead | 1.81984 | -141 | 1.29 | 0.500000 | M2 | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0516

Concentration Units: mg/L

Source Sample Name: **2400776-02**

Laboratory ID: B4H0516-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4H0516-PS1 | | | | | | |
| Lead | 2.52645 | 2.87441 | 0.500000 | 69.6 | M2 | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Sequence: S4H0345

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0345-IBL1 | 240802-01 RR1-001 | 08/02/24 12:23 |
| Cal Standard | S4H0345-CAL1 | 240802-01 RR1-002 | 08/02/24 12:26 |
| Cal Standard | S4H0345-CAL2 | 240802-01 RR1-003 | 08/02/24 12:28 |
| Cal Standard | S4H0345-CAL3 | 240802-01 RR1-004 | 08/02/24 12:31 |
| Cal Standard | S4H0345-CAL4 | 240802-01 RR1-005 | 08/02/24 12:33 |
| Cal Standard | S4H0345-CAL5 | 240802-01 RR1-006 | 08/02/24 12:35 |
| Cal Standard | S4H0345-CAL6 | 240802-01 RR1-007 | 08/02/24 12:37 |
| Cal Standard | S4H0345-CAL7 | 240802-01 RR1-008 | 08/02/24 12:39 |
| Initial Cal Check | S4H0345-ICV1 | 240802-01 RR1-009 | 08/02/24 13:35 |
| Initial Cal Blank | S4H0345-ICB1 | 240802-01 RR1-010 | 08/02/24 13:37 |
| Interference Check A | S4H0345-IFA1 | 240802-01 RR1-012 | 08/02/24 13:53 |
| Interference Check B | S4H0345-IFB1 | 240802-01 RR1-013 | 08/02/24 13:55 |
| Calibration Check | S4H0345-CCV1 | 240802-01 RR1-216 | 08/02/24 22:21 |
| Calibration Blank | S4H0345-CCB1 | 240802-01 RR1-217 | 08/02/24 22:23 |
| Blank | B4H0516-BLK1 | 240802-01 RR1-222 | 08/02/24 22:35 |
| LCS | B4H0516-BS1 | 240802-01 RR1-223 | 08/02/24 22:37 |
| Matrix Spike | B4H0516-MS1 | 240802-01 RR1-224 | 08/02/24 22:40 |
| Matrix Spike Dup | B4H0516-MSD1 | 240802-01 RR1-225 | 08/02/24 22:42 |
| Post Spike | B4H0516-PS1 | 240802-01 RR1-226 | 08/02/24 22:44 |
| Dilution Check | B4H0516-SRL1 | 240802-01 RR1-227 | 08/02/24 22:47 |
| Calibration Check | S4H0345-CCV2 | 240802-01 RR1-228 | 08/02/24 22:49 |
| Calibration Blank | S4H0345-CCB2 | 240802-01 RR1-229 | 08/02/24 22:51 |
| Calibration Check | S4H0345-CCV3 | 240802-01 RR1-240 | 08/02/24 23:18 |
| Calibration Blank | S4H0345-CCB3 | 240802-01 RR1-241 | 08/02/24 23:20 |
| RP0638B-WC-A1A2 | 2401176-01 | 240802-01 RR1-242 | 08/02/24 23:22 |
| Calibration Check | S4H0345-CCV4 | 240802-01 RR1-249 | 08/02/24 23:39 |
| Calibration Blank | S4H0345-CCB4 | 240802-01 RR1-250 | 08/02/24 23:41 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0345
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0345-ICV1 | Lead | 0.500000 | 0.505805 | 101 | 08/02/24 13:35 | +/- 10.00% |
| S4H0345-CCV1 | Lead | 2.00000 | 1.84831 | 92.4 | 08/02/24 22:21 | +/- 10.00% |
| S4H0345-CCV2 | Lead | 2.00000 | 1.84294 | 92.1 | 08/02/24 22:49 | +/- 10.00% |
| S4H0345-CCV3 | Lead | 2.00000 | 1.84761 | 92.4 | 08/02/24 23:18 | +/- 10.00% |
| S4H0345-CCV4 | Lead | 2.00000 | 1.85062 | 92.5 | 08/02/24 23:39 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0345

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0345-ICB1 | Lead | -0.007196 | 0.0041 | 0.020 | 08/2/24 13:37 | U | WET/EPA 6010B |
| S4H0345-CCB1 | Lead | -0.003226 | 0.0041 | 0.020 | 08/2/24 22:23 | U | WET/EPA 6010B |
| S4H0345-CCB2 | Lead | -0.008330 | 0.0041 | 0.020 | 08/2/24 22:51 | U | WET/EPA 6010B |
| S4H0345-CCB3 | Lead | -0.003481 | 0.0041 | 0.020 | 08/2/24 23:20 | U | WET/EPA 6010B |
| S4H0345-CCB4 | Lead | -0.000177 | 0.0041 | 0.020 | 08/2/24 23:41 | U | WET/EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0345
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0345-IFA1 | Lead | | -0.05448 | mg/L | | <0.02 | 8/2/24 13:53 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0345
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0345-IFB1 | Lead | 0.500000 | 0.42020 | mg/L | 16 | ±20.00 % | 8/2/24 13:55 |

# METHOD DETECTION AND REPORTING LIMITS
# WET/EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Advanced Technology Laboratories | Project: | RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022 | | |
| Matrix: | Soil | Laboratory ID: | 2401176-01 | Laboratory ID: | RP0638B-WC-A1A2 |

| | | | | | |
|---|---|---|---|---|---|
| Sampled: | 07/12/24 11:04 | Prepared: | 07/31/24 14:13 | Analyzed: | 08/01/24 17:32 |
| Batch: | B4G1024 | Sequence: | S4H0337 | Instrument: | ICP-16 |
| Preparation: | EPA 3010A_TCLP_S | Method: | EPA 6010B | Concentration Units: | mg/L |
| Leach Batch: | B4G1003 | Leach Method: | EPA 1311_S | | |

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | ND | 0.020 | 0.10 | 5 | U |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401176 |
| Client: | Parsons | Project: | RP0638B - 1240 S McBride Ave, Los Angeles, C |
| Batch: | B4G1024 Batch Matrix: Soil | Preparation: | EPA 3010A_TCLP_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| RP0638B-WC-A1A2 | 2401176-01 | 07/31/24 14:13 | 25.00 | 25 |
| Blank | B4G1024-BLK1 | 07/31/24 14:13 | 25.00 | 25 |
| LCS | B4G1024-BS1 | 07/31/24 14:13 | 25.00 | 25 |
| Matrix Spike | B4G1024-MS1 | 07/31/24 14:13 | 25.00 | 25 |
| Matrix Spike Dup | B4G1024-MSD1 | 07/31/24 14:13 | 25.00 | 25 |
| Dilution Check | B4G1024-SRL1 | 07/31/24 14:13 | 25.00 | 25 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G1024

**Extraction Method:** EPA 3010A_TCLP_S

**Batch Start Date:** 07/31/2024 14:20 **Batch Analyst:** CH

**Analysis Method:** EPA 6010B

**Batch End Date:** 07/31/2024 17:00

| Lab Sample ID | Client Sample ID | Initial (mL) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401176-01 | RP0638B-WC-A1A2 | 25.00 | 25.00 | | | | | | | 1.5 mL | 2.5 mL |
| B4G1024-BLK1 | Blank | 25.00 | 25.00 | | | | | | | 1.5 mL | 2.5 mL |
| B4G1024-BS1 | LCS | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | | | | | 1.5 mL | 2.5 mL |
| B4G1024-MS1 | Matrix Spike | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401172-01 | | | | 1.5 mL | 2.5 mL |
| B4G1024-MSD1 | Matrix Spike Dup | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401172-01 | | | | 1.5 mL | 2.5 mL |
| B4G1024-SRL1 | Dilution Check | 25.00 | 25.00 | | | 2401172-01 | | | | 1.5 mL | 2.5 mL |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4G0398 | Concentrated Nitric Acid | 240238 |
| A4F0570 | 1:1 Hydrochloric Acid | NA |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4G1024

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G1024-BLK1 | Lead | -0.043852 | 0.020 | 0.10 | 07/31/24 22:25 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

### EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G1024

Concentration Units: mg/L

Laboratory ID: B4G1024-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Lead | 0.450904 | 0.500000 | 90.2 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 9002
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G1024
Concentration Units: mg/L
Source Sample Name: **2401172-01**

Laboratory ID: B4G1024-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Lead | ND | 0.517996 | 0.500000 | 104 | | 75 - 125 |

Laboratory ID: B4G1024-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Lead | 0.469832 | 94.0 | 9.75 | 0.500000 | | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G1024

Concentration Units: mg/L

Source Sample Name: **2401172-01**

Laboratory ID: B4G1024-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G1024-PS1 | | | | | | |
| Lead | -0.011698 | 0.551469 | 0.500000 | 110 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Sequence: S4H0306

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0306-IBL1 | 240731-01 RR-001 | 07/31/24 14:20 |
| Cal Standard | S4H0306-CAL1 | 240731-01 RR-002 | 07/31/24 14:23 |
| Cal Standard | S4H0306-CAL2 | 240731-01 RR-003 | 07/31/24 14:25 |
| Cal Standard | S4H0306-CAL3 | 240731-01 RR-004 | 07/31/24 14:27 |
| Cal Standard | S4H0306-CAL4 | 240731-01 RR-005 | 07/31/24 14:29 |
| Cal Standard | S4H0306-CAL5 | 240731-01 RR-006 | 07/31/24 14:31 |
| Cal Standard | S4H0306-CAL6 | 240731-01 RR-007 | 07/31/24 14:33 |
| Cal Standard | S4H0306-CAL7 | 240731-01 RR-008 | 07/31/24 14:35 |
| Initial Cal Check | S4H0306-ICV1 | 240731-01 RR-009 | 07/31/24 14:46 |
| Initial Cal Blank | S4H0306-ICB1 | 240731-01 RR-010 | 07/31/24 14:47 |
| Interference Check A | S4H0306-IFA1 | 240731-01 RR-012 | 07/31/24 14:57 |
| Interference Check B | S4H0306-IFB1 | 240731-01 RR-013 | 07/31/24 14:59 |
| Calibration Check | S4H0306-CCV3 | 240731-01 RR-163 | 07/31/24 21:21 |
| Calibration Blank | S4H0306-CCB3 | 240731-01 RR-164 | 07/31/24 21:24 |
| Calibration Check | S4H0306-CCV5 | 240731-01 RR-187 | 07/31/24 22:18 |
| Calibration Blank | S4H0306-CCB5 | 240731-01 RR-188 | 07/31/24 22:21 |
| Blank | B4G1024-BLK1 | 240731-01 RR-190 | 07/31/24 22:25 |
| LCS | B4G1024-BS1 | 240731-01 RR-191 | 07/31/24 22:28 |
| Matrix Spike | B4G1024-MS1 | 240731-01 RR-192 | 07/31/24 22:30 |
| Matrix Spike Dup | B4G1024-MSD1 | 240731-01 RR-193 | 07/31/24 22:32 |
| Dilution Check | B4G1024-SRL1 | 240731-01 RR-195 | 07/31/24 22:37 |
| Calibration Check | S4H0306-CCV6 | 240731-01 RR-199 | 07/31/24 22:47 |
| Calibration Blank | S4H0306-CCB6 | 240731-01 RR-200 | 07/31/24 22:48 |

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

Sequence: S4H0337

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0337-IBL1 | 240801-02 RR-001 | 08/01/24 15:07 |
| Cal Standard | S4H0337-CAL1 | 240801-02 RR-002 | 08/01/24 15:10 |
| Cal Standard | S4H0337-CAL2 | 240801-02 RR-003 | 08/01/24 15:13 |
| Cal Standard | S4H0337-CAL3 | 240801-02 RR-004 | 08/01/24 15:15 |
| Cal Standard | S4H0337-CAL4 | 240801-02 RR-005 | 08/01/24 15:18 |
| Cal Standard | S4H0337-CAL5 | 240801-02 RR-006 | 08/01/24 15:20 |
| Cal Standard | S4H0337-CAL6 | 240801-02 RR-007 | 08/01/24 15:21 |
| Cal Standard | S4H0337-CAL7 | 240801-02 RR-008 | 08/01/24 15:24 |
| Initial Cal Check | S4H0337-ICV1 | 240801-02 RR-009 | 08/01/24 15:31 |
| Initial Cal Blank | S4H0337-ICB1 | 240801-02 RR-010 | 08/01/24 15:34 |
| Interference Check A | S4H0337-IFA1 | 240801-02 RR-012 | 08/01/24 15:39 |
| Interference Check B | S4H0337-IFB1 | 240801-02 RR-013 | 08/01/24 15:41 |
| Calibration Check | S4H0337-CCV1 | 240801-02 RR-038 | 08/01/24 16:40 |
| Calibration Blank | S4H0337-CCB1 | 240801-02 RR-039 | 08/01/24 16:42 |
| Calibration Check | S4H0337-CCV2 | 240801-02 RR-050 | 08/01/24 17:06 |
| Calibration Blank | S4H0337-CCB2 | 240801-02 RR-051 | 08/01/24 17:08 |
| RP0638B-WC-A1A2 | 2401176-01 | 240801-02 RR-061 | 08/01/24 17:32 |
| Calibration Check | S4H0337-CCV3 | 240801-02 RR-062 | 08/01/24 17:34 |
| Calibration Blank | S4H0337-CCB3 | 240801-02 RR-063 | 08/01/24 17:36 |
| Calibration Check | S4H0337-CCV4 | 240801-02 RR-196 | 08/01/24 23:32 |
| Calibration Blank | S4H0337-CCB4 | 240801-02 RR-197 | 08/01/24 23:34 |
| Post Spike | B4G1024-PS1 | 240801-02 RR-200 | 08/01/24 23:41 |
| Calibration Check | S4H0337-CCV5 | 240801-02 RR-201 | 08/01/24 23:43 |
| Calibration Blank | S4H0337-CCB5 | 240801-02 RR-202 | 08/01/24 23:46 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0306
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0306-ICV1 | Lead | 0.500000 | 0.515341 | 103 | 07/31/24 14:46 | +/- 10.00% |
| S4H0306-CCV3 | Lead | 2.00000 | 1.90927 | 95.5 | 07/31/24 21:21 | +/- 10.00% |
| S4H0306-CCV5 | Lead | 2.00000 | 1.82956 | 91.5 | 07/31/24 22:18 | +/- 10.00% |
| S4H0306-CCV6 | Lead | 2.00000 | 1.83618 | 91.8 | 07/31/24 22:47 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0337
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0337-ICV1 | Lead | 0.500000 | 0.528482 | 106 | 08/01/24 15:31 | +/- 10.00% |
| S4H0337-CCV1 | Lead | 2.00000 | 2.01434 | 101 | 08/01/24 16:40 | +/- 10.00% |
| S4H0337-CCV2 | Lead | 2.00000 | 2.00046 | 100 | 08/01/24 17:06 | +/- 10.00% |
| S4H0337-CCV3 | Lead | 2.00000 | 1.97914 | 99.0 | 08/01/24 17:34 | +/- 10.00% |
| S4H0337-CCV4 | Lead | 2.00000 | 1.92622 | 96.3 | 08/01/24 23:32 | +/- 10.00% |
| S4H0337-CCV5 | Lead | 2.00000 | 1.94487 | 97.2 | 08/01/24 23:43 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0306

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0306-ICB1 | Lead | -0.000332 | 0.0041 | 0.020 | 07/31/24 14:47 | U | EPA 6010B |
| S4H0306-CCB3 | Lead | -0.010182 | 0.0041 | 0.020 | 07/31/24 21:24 | U | EPA 6010B |
| S4H0306-CCB5 | Lead | -4.1798E-3 | 0.0041 | 0.020 | 07/31/24 22:21 | U | EPA 6010B |
| S4H0306-CCB6 | Lead | -0.005699 | 0.0041 | 0.020 | 07/31/24 22:48 | U | EPA 6010B |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0337

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0337-ICB1 | Lead | 0.004403 | 0.0041 | 0.020 | 08/1/24 15:34 | | EPA 6010B |
| S4H0337-CCB1 | Lead | 0.005730 | 0.0041 | 0.020 | 08/1/24 16:42 | | EPA 6010B |
| S4H0337-CCB2 | Lead | -0.003576 | 0.0041 | 0.020 | 08/1/24 17:08 | U | EPA 6010B |
| S4H0337-CCB3 | Lead | 0.002958 | 0.0041 | 0.020 | 08/1/24 17:36 | | EPA 6010B |
| S4H0337-CCB4 | Lead | 0.000126 | 0.0041 | 0.020 | 08/1/24 23:34 | | EPA 6010B |
| S4H0337-CCB5 | Lead | -0.000845 | 0.0041 | 0.020 | 08/1/24 23:46 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0306
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0306-IFA1 | Lead | | -0.04921 | mg/L | | <0.02 | 7/31/24 14:57 |

# INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0306
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0306-IFB1 | Lead | 0.500000 | 0.45549 | mg/L | 9 | ±20.00 % | 7/31/24 14:59 |

# INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0337
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0337-IFA1 | Lead | | -0.04829 | mg/L | | <0.02 | 8/1/24 15:39 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022
Sequence: S4H0337
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0337-IFB1 | Lead | 0.500000 | 0.45395 | mg/L | 9 | ±20.00 % | 8/1/24 15:41 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** RP0638B - 1240 S McBride Ave, Los Angeles, CA 90022

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Leachate Preparation Log

# Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instructio n: Complete all shaded areas .*

21 2401176

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐GSO ☐Other:

Sample Conditions Upon Receipt

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | | | Address: 100 W. Walnut Street | | Tel: |
| | | | City: Pasadena | State: CA / Zip: 91124 | Fax: |
| SEND REPORT TO: | | | SEND INVOICE TO: ☐ same as SEND REPORT TO | | EDD: Excel ☐ EDF ☐ Equis ☐ |
| Attn: Tom Blaney | Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | | Attn: | Email: | QA/QC: Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ |
| Company: Parsons | | | Company: | | |
| Address: 100 W. Walnut Street | | | Address: | | |
| City: Pasadena | State: CA | Zip: 91124 | City: | State: | Zip: |

Project Name: DTSC Exide Residential
Site Address: 1240 S McBride Ave, Los Angeles CA 90022
Project No.: 684735
Sampler: Brenda Ballesteros
Quote #:
Site ID: RP0638B
PO #:

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Material: 1=Glass; 2=Plastic; 3=Metal | Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=ZnAc2; 6=NaOH; 7=NaS2O3 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | RP0638B-WC-A1A2 | RP0638B-WC | 7/12/2024 | 1104 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | RP0638B-WC-A1A2A3 | RP0638B-WC | 7/12/2024 | 1110 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Brenda B | 7/12/24 | 1400 | Kathryn | 7-12-24 | 1400 |
| Kathryn | 7-12-24 | 1420 | | 7/12/24 | 1420 |
| C. L | 7/12/24 | 1450 | Jhon | 7/12/24 | 14:50 |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Monday, July 29, 2024 1:33 PM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. RP0638B-WC-A1A2 (LAB REPORT 2401176): STLC and TCLP for lead
2. PIA-06096-WC-A1A2 (LAB REPORT 2401174): STLC and TCLP for lead
3. PIA-06096-WC-A1A2A3 (LAB REPORT 2401174): STLC for lead
4. E0474-WC-A1A2 (LAB REPORT 2401180): STLC and TCLP for lead
5. E0474-WC-A1A2A3 (LAB REPORT 2401180): STLC and TCLP for lead
6. RP2759B-WC-A1A2 (LAB REPORT 2401172): STLC and TCLP for lead
7. D1431-WC-A1A2 (LAB REPORT 2401170): STLC and TCLP for lead
8. D1431-WC-A1A2A3 (LAB REPORT 2401170): STLC for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0417
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0417 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0473 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0418
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0418 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0472 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0419
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0419 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0420
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0420 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0421
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0421 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0422
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0422 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0423
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0423 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0439 | na | 200.0000 |
| A3J0570 | 2325728-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0424
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0424 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0432
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/15/2024
**Date Expires:** 07/29/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0432 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3J0482 | 2222032-100 | 3.0000 |
| A0B0014 | 220015067 | 0.1500 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0436
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0438
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0438 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0436 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0496
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 08/09/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0496 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0504
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** Juan Flores
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0504 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0505
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0505 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4F0560 | 2334620-100 | 0.1500 |
| A3J0482 | 2222032-100 | 3.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0521
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0521 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0522 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0522
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0522 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0523 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0523
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0523 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0525 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0524
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0524 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0525 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0525
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0525 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0527 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0526
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0526 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0527 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0527
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0527 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0507 | na | 200.0000 |
| A4F0561 | 2413109-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0528
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0528 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0504 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

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August 14, 2024

AETL Job No: BFG0235 Rev. 01
Received Date: 07/24/2024
Project Number: 684735

Parsons
100 West Walnut Street
Pasadena, CA 91124
Telephone: (626) 344-6565

Attention: Pete Shair

Project Name: DTSC Exide Residential

Site: D1529
4626 E 53rd St.
Maywood, CA 90270

Enclosed please find the results of analyses for samples which were analyzed as specified on the attached chain of custody. If you have any questions concerning this report, please do not hesitate to call.

Checked By: Hailley Coleman
Project Manager

Approved By: Daljit Khangura
Laboratory Director

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
*No duplication of this report is allowed, except in its entirety without written approval of the laboratory.*

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Rev. 01

| | | | | | |
|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0235 | Site: | D1529 | |
| | Project Number: | 684735 | | 4626 E 53rd St. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Maywood, CA 90270 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/14/2024 14:43 | |

# Data Validatable Report

## Work Order Case Narrative

## Case Narrative

The following "Sample Received" Section summarizes the samples received and associated analyses requested as specified on the enclosed chain of custody.

Results as reported by the laboratory apply only to 1) the items tested, 2) as the samples are received, and 3) the accuracy of information provided. Information supplied by the customer that may affect validity of results and may be contained in this report include Project Name/Number, Site Location, Sample Locations, Sampling Dates/Times, Sample ID, Sample Preservation, Sample Matrix, Sample Properties, Field Blanks, Field Duplicates, Field Spikes, and Site Historical Data.

Accreditation applies only to the test methods listed on each scope of accreditation held by the laboratory; certifications held by the laboratory may not apply to results supplied in this report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Qualifiers are noted in the report.

The samples were subcontracted to Performance Analytical Laboratories for EPA 6010B. Please see attached report for results.

This report contains additional data to the report previously submitted. The analyses added are STLC-6010B-Pb and TCLP-6010B-Pb and were added per client request on 8/6/24. This document is the official version and is in addition to the earlier report.

## Samples in this Report

| Lab ID | Sample | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| BFG0235-01 | D1529-WC-A1A2 | Soil | 07/24/2024 08:41 | 07/24/2024 |

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
*No duplication of this report is allowed, except in its entirety.*

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| | | | | | |
|---|---|---|---|---|---|
| Parsons | | AETL Job Number: | BFG0235 | Site: | D1529 |
| | | Project Number: | 684735 | | 4626 E 53rd St. |
| 100 West Walnut Street | | Attention: | Pete Shair | | Maywood, CA 90270 |
| Pasadena, CA 91124 | | Project Name: | DTSC Exide Residential | Reported: | 08/14/2024 14:43 |

## Containers Received

| Lab ID | Container Type | Count | Preservation Check |
|---|---|---|---|
| BFG0235-01 | | | |
| | Glass Jar - 8 oz | 1 | |
| BFG0235-02 | | | |
| | Glass Jar - 8 oz | 1 | |

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
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|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0235 | Site: | D1529 | |
| | Project Number: | 684735 | | 4626 E 53rd St. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Maywood, CA 90270 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/14/2024 14:43 | |

## Analytical Results

**Client ID:** D1529-WC-A1A2

**Lab ID:** BFG0235-01 (Soil) **Sampled:** 07/24/24 8:41

| Analyte | Result | Qualifier | Dilution | MDL | RL | Units | Prepared Date/Time | Analyzed Date/Time | Batch | Analyst Initials | Prep. Method |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **STLC Analysis** | | | | | | | | | | | |
| **Method: EPA 6010B-STLC** | | | | | | | | | | | |
| **Lead** | **1.80** | D | 2 | 0.328 | 0.800 | mg/L | 08/13/24 08:50 | 08/13/24 14:40 | B4H0212 | LE | STLC- ICP |
| **TCLP Analysis** | | | | | | | | | | | |
| **Method: EPA 6010B-1311 TCLP** | | | | | | | | | | | |
| Lead | ND | | 1 | 0.0461 | 0.200 | mg/L | 08/12/24 10:45 | 08/12/24 16:14 | B4H0189 | LE | 1311- ICP |

*The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.*
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| | | | | | |
|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0235 | Site: | D1529 | |
| | Project Number: | 684735 | | 4626 E 53rd St. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Maywood, CA 90270 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/14/2024 14:43 | |

## Quality Control

### STLC Analysis

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Method: EPA 6010B-STLC*** | | | | | | | | | | |
| ***Batch: B4H0212 - STLC- ICP*** | | | | | | | | | | |
| **Blank (B4H0212-BLK1)** | | | | | Prepared & Analyzed: 08/13/2024 13:42 | | | | | |
| Lead | ND D | 0.800 | 0.328 | mg/L | | | | | | |
| **LCS (B4H0212-BS1)** | | | | | Prepared & Analyzed: 08/13/2024 13:45 | | | | | |
| Lead | 19.2 D | | 0.328 | mg/L | 20.0 | | 95.8 | 80-120 | | |
| **LCS Dup (B4H0212-BSD1)** | | | | | Prepared & Analyzed: 08/13/2024 13:48 | | | | | |
| Lead | 21.1 D | | 0.328 | mg/L | 20.0 | | 106 | 80-120 | 9.81 | 15 |
| **Duplicate (B4H0212-DUP1)** | **Source: BFG0280-01** | | | | Prepared & Analyzed: 08/13/2024 13:54 | | | | | |
| Lead | 4.26 D | | 0.328 | mg/L | | 4.35 | | | 2.03 | 15 |
| **Matrix Spike (B4H0212-MS1)** | **Source: BFG0280-01** | | | | Prepared & Analyzed: 08/13/2024 13:58 | | | | | |
| Lead | 21.9 D | | 0.328 | mg/L | 20.0 | 4.35 | 87.7 | 70-130 | | |
| **Matrix Spike Dup (B4H0212-MSD1)** | **Source: BFG0280-01** | | | | Prepared & Analyzed: 08/13/2024 14:01 | | | | | |
| Lead | 19.9 D | | 0.328 | mg/L | 20.0 | 4.35 | 77.6 | 70-130 | 9.67 | 15 |
| ***Method: EPA 6010B-STLC*** | | | | | | | | | | |
| ***Batch: S4H0009 - B4H0134*** | | | | | | | | | | |
| **Instrument Blank (S4H0009-IBL1)** | | | | | Prepared & Analyzed: 08/13/2024 07:51 | | | | | |
| Lead | 0.00 | | | mg/L | 0.00 | | | | | |
| **Interference Check A (S4H0009-IFA1)** | | | | | Prepared & Analyzed: 08/13/2024 09:14 | | | | | |
| Lead | -0.0362 | | | mg/L | 0.00 | | | 80-120 | | |
| **Interference Check B (S4H0009-IFB1)** | | | | | Prepared & Analyzed: 08/13/2024 09:17 | | | | | |
| Lead | 0.573 | | | mg/L | 0.500 | | 115 | 80-120 | | |

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Revised and Reissued

Rev. 01

| | | | | | |
|---|---|---|---|---|---|
| Parsons | AETL Job Number: | BFG0235 | Site: | D1529 | |
| | Project Number: | 684735 | | 4626 E 53rd St. | |
| 100 West Walnut Street | Attention: | Pete Shair | | Maywood, CA 90270 | |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/14/2024 14:43 | |

## Quality Control
**(Continued)**

### TCLP Analysis

| Analyte | Result/ Qual | PQL | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Method: EPA 6010B-1311 TCLP*** | | | | | | | | | | |
| ***Batch: B4H0189 - 1311- ICP*** | | | | | | | | | | |
| **Blank (B4H0189-BLK1)** | | | | | Prepared & Analyzed: 08/12/2024 15:22 | | | | | |
| Lead | ND | 0.200 | 0.0461 | mg/L | | | | | | |
| **LCS (B4H0189-BS1)** | | | | | Prepared & Analyzed: 08/12/2024 15:26 | | | | | |
| Lead | 10.5 | | 0.0461 | mg/L | 10.0 | | 105 | 80-120 | | |
| **LCS Dup (B4H0189-BSD1)** | | | | | Prepared & Analyzed: 08/12/2024 15:29 | | | | | |
| Lead | 10.7 | | 0.0461 | mg/L | 10.0 | | 107 | 80-120 | 2.18 | 15 |
| **Duplicate (B4H0189-DUP1)** | **Source: BFH0042-02** | | | | Prepared & Analyzed: 08/12/2024 15:35 | | | | | |
| Lead | ND | | 0.0461 | mg/L | | ND | | | | 15 |
| **Matrix Spike (B4H0189-MS1)** | **Source: BFH0042-02** | | | | Prepared & Analyzed: 08/12/2024 15:38 | | | | | |
| Lead | 8.37 | | 0.0461 | mg/L | 10.0 | ND | 83.7 | 70-130 | | |
| **Matrix Spike Dup (B4H0189-MSD1)** | **Source: BFH0042-02** | | | | Prepared & Analyzed: 08/12/2024 15:41 | | | | | |
| Lead | 8.27 | | 0.0461 | mg/L | 10.0 | ND | 82.7 | 70-130 | 1.25 | 15 |
| ***Method: EPA 6010B-1311 TCLP*** | | | | | | | | | | |
| ***Batch: S4H0008 - B4H0134*** | | | | | | | | | | |
| **Instrument Blank (S4H0008-IBL1)** | | | | | Prepared & Analyzed: 08/12/2024 09:38 | | | | | |
| Lead | 0.00 | | | mg/L | 0.00 | | | | | |
| **Interference Check A (S4H0008-IFA1)** | | | | | Prepared & Analyzed: 08/12/2024 11:08 | | | | | |
| Lead | 0.0139 | | | mg/L | 0.00 | | | 0-200 | | |
| **Interference Check B (S4H0008-IFB1)** | | | | | Prepared & Analyzed: 08/12/2024 11:11 | | | | | |
| Lead | 0.551 | | | mg/L | 0.500 | | 110 | 0-200 | | |

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|---|---|---|---|---|---|
| Parsons | | AETL Job Number: | BFG0235 | Site: | D1529 |
| | | Project Number: | 684735 | | 4626 E 53rd St. |
| 100 West Walnut Street | | Attention: | Pete Shair | | Maywood, CA 90270 |
| Pasadena, CA 91124 | | Project Name: | DTSC Exide Residential | Reported: | 08/14/2024 14:43 |

## Qualifiers and Definitions

| Item | Qualifiers |
|---|---|
| D | Sample was analyzed under dilution due to matrix interference. |

| Item | Definitions |
|---|---|
| % wt | Percent Weight |
| %REC | Percent Recovery |
| * | Value outside of control limits. |
| °F | Degrees Fahrenheit |
| AETL | American Environmental Testing Laboratory, LLC |
| C | Carbon |
| CARB | California Air Resources Board |
| COC | Chain of Custody |
| Cresols | 3-methylphenol/4-methylphenol coelute and cannot be chromatographically separated. Due to this coeluting isomer pair phenomenon, the laboratory uses a single cresol (4-methylphenol) as calibration standard for 3-methylphenol/4-methylphenol. |
| CRM | Certified Reference Material |
| DI | Deionized Water |
| DPD | Department of Planning and Development |
| DRO | Diesel Range Organics |
| Dup | Duplicate |
| ELAP | Environmental Laboratory Accreditation Program |
| EPA | Environmental Protection Agency |
| GC/FID | Gas Chromatography Flame Ionization Detection |
| GRO | Gasoline Range Organics |
| HC | Hydrocarbon |
| HEM | Hexane Extractable Material |
| HMU | Hazardous Material Unit |
| ICP/MS | Inductively Coupled Plasma Mass Spectrometry |
| LACSD | Los Angeles County Sanitation Districts |
| LCS | Laboratory Control Sample - A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes. |
| LCSD | Laboratory Control Sample Duplicate - A replicate of Laboratory Control Sample. |
| LOQ | Limit of Quantitation |
| MDL | Method Detection Limit - The minimum measured concentration of a substance that can be reported with 99% confidence. MDL is statistically derived number which is specific for each instrument, each method and each compound. |
| mg/kg | Miligrams per Kilogram |
| mg/L | Miligrams per Liter |
| ml/L/hr | Milliliter per Liter per Hour |
| MRO | Motor oil Range Organics |

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| | Project Number: | 684735 | | 4626 E 53rd St. |
| 100 West Walnut Street | Attention: | Pete Shair | | Maywood, CA 90270 |
| Pasadena, CA 91124 | Project Name: | DTSC Exide Residential | Reported: | 08/14/2024 14:43 |

| | |
|---|---|
| MS | Matrix Spike - A sample prepared, taken through all sample preparation and analytical steps of the procedure and analyzed as an independent test results. |
| MSD | Matrix Spike Duplicate - A replicate of Matrix Spike Sample. |
| N | No |
| ND | Analyte is not detected below Method Detection Limit. |
| ng/m3 | Nanograms per cubic meter |
| NIOSH | National Institute for Occupational Safety and Health |
| nL/L | Nanoliters per Liter |
| NTU | Nephelometric Turbidity Units |
| Ohm-cm | Ohms per centimeter |
| ORO | Oil Range Organics |
| OSHA | Occupational Safety and Health Administration |
| PCB | Polychlorinated Biphenyl |
| ppb v | Parts per billion by volume |
| ppmC | Parts per million Carbon |
| PSU | Practical Salinity Unit |
| Q | Qualifier Column |
| RL | Reporting Limit - The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a specified degree of confidence, accuracy and precision. For usage at AETL, RL is equivalant to LOQ. |
| RPD | Relative Percent Difference |
| SIM | Selective Ion Monitoring |
| SM | Standard Method |
| SPLP | Synthetic Precipitation Leaching Procedure |
| STLC | Soluble Threshold Limit Concentration |
| TCLP | Toxicity Characteristic Leaching Procedure |
| TPH | Total Petroleum Hydrocarbons |
| TTLC | Total Threshold Limit Concentrations |
| ug/kg | Micrograms per Kilogram |
| ug/L | Micrograms per Liter |
| ug/m3 | Micrograms per cubic meter |
| WET | Waste Extraction Test |
| Y | Yes |
| ZHE | Zero Headspace Extraction |

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# WORK ORDER

## BFG0235

Printed: 08/14/2024 2:43 pm

**Project:** **Exide Initial 200 Single Cleanup Unit (SCU)**
**Project Number:** **684735**
**Project Manager:** **Hailley Coleman**
**PO Number:**

**Report To:**

Parsons
Pete Shair
100 West Walnut Street
Pasadena, CA 91124
Phone: (626) 344-6565
Fax: (626)440-6200

**Invoice To:**

Parsons
Sarah King
100 W. Walnut St.
Pasadena, CA 91124
Phone: (626)440-6161
Fax: (626)440-6200

Date Received: 07/24/2024 05:30 PM
Date Due: 08/13/2024 (14.00 day TAT)

Logged In By: Greta Giragoosian
Received By: Greta Giragoosian

| Analysis | Comments |
|---|---|
| **BFG0235-01 D1529-WC-A1A2 [Soil] Sampled 7/24/2024 8:41:00AM** | |
| STLC-6010B-Pb | NONE |
| STLC-Extraction-METALS | NONE |
| TCLP-6010B-Pb | NONE |
| TCLP-Extraction-METALS | NONE |

**BFG0235** **Sample Receipt Log**

Default Cooler

Samples Received at: **29.0°C**

| | | | |
|---|---|---|---|
| Are the COCs Correct | Yes | Received on Ice | No |
| Labels Legible | Yes | | |
| COC/Labels Agree | Yes | | |
| Sufficient Sample Volume | Yes | | |
| Sample Labels intact | Yes | | |
| Containers In Good Condition | Yes | | |
| Samples Preserved Properly | Yes | | |
| Sufficient Holding Time for all Tests | Yes | | |

# AMERICAN ENVIRONMENTAL TESTING LABORATORY

A KYZIR LABS COMPANY

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TEL (888) 288-AETL · (818) 845-8200 · www.aetlab.com

## CHAIN-OF-CUSTODY RECORD

AETL JOB No. BT-Q0235 Page 1 of 1

| | |
|---|---|
| Company: Parsons | Project Manager: Pete Shair / Linda McGlochlin |
| Company Address: 100 W. Walnut St, Pasadena, CA 91124 | Email: tom.blaney@parsons.com |
| Project Name: DTSC Exide Residential | **Project # 684735** |
| Site Property ID: D1529 | **PO #** |
| Site Address: 4626 E53rd St, Maywood CA 90270 | |
| Report To: tom.blaney@parsons.com<br>Report & EDD To:<br>carla.rodman@parsons.com; jennifer.trimm@parsons.com;<br>julie.rieth@parsons.com | |

BT-Q0235 ↓

| Location ID | Start Depth (in) | End Depth (in) | Field Sample ID MUST BE UNIQUE | Sample Date | Sample Time | Sample Purpose | Sample Matrix | Sample Type | # of Cont. | Field Filtered (Y/N) | | Analysis Requested: Metals (As,Pb,Cd,Cu,Zn,Sb) | Analysis Requested: Lead (6010B) | Analysis Requested: STLC - Pb | Analysis Requested: TCLP - Pb | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N/FD | | Comp/Grab | | | | | | | | |
| D1529-WC | 0 | 12 | D1529-WC-A1A2 | 7/24/24 | 0841 | N | Soil | C | 1 | N | | X | X | X | X | |
| D1529-WC | 0 | 18 | D1529-WC-A1A2A3 | 7/24/24 | 0843 | N | Soil | C | 1 | N | | X | X | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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**Requested Due Date/TAT:** _____ Normal 5-Day _____ 72 hours _____ 48 hours _____ 24 hours

**Deliverable Requested:** EQuIS DTSC_Cleanup EDD

**Level III/IV PDF:** Level III

| | | | |
|---|---|---|---|
| Sampler(s) Name: | Company: | | |
| Relinquished By (signature): | | Relinquished By (signature): | Sample Receipt Comments: |
| Printed Name: Brenda B | Company: | Printed Name: Val A | Company: |
| Date/Time: 7/24/24 1415 | | Date/Time: 7-24-24 1730 | |
| Received By (signature): | | Received By (signature): | |
| Printed Name: Val A | Company: | Printed Name: Peter Olivares | Company: AETL |
| Date/Time: 7-24-24 1415 | | Date/Time: 07/24/24 17:30 | |
| Shipment Method: | | Sample Tracking No: | Samples Intact : Yes ☐ No ☐ |

**Sample Type: C = Composite; G = Grab** **Sample Purpose: N = Normal; FD = Field Duplicate** **Soil Description: BY = Backyard; FY = Front yard; SY = Side yard**



Table of Contents

## Hailley Coleman

**From:** Nishka.Parikh@parsons.com
**Sent:** Monday, August 5, 2024 11:14 AM
**To:** Hailley Coleman
**Cc:** Tom.Blaney@parsons.com; Peter.Shair@parsons.com; Sandra.delasFuentes@parsons.us; Carla.Rodman@parsons.com
**Subject:** Need STLC/TCLP Analyses

**Follow Up Flag:** Flag for follow up
**Flag Status:** Flagged

Sensitive

Hi Hailley,

Please run the following on a standard turnaround time:

1. A0087-WC-A1A2 (LAB REPORT BFG0209): STLC and TCLP for lead
2. A0087-WC-A1A2A3 (LAB REPORT BFG0209): STLC and TCLP for lead
3. D1529-WC-A1A2 (LAB REPORT BFG0235): STLC and TCLP for lead
4. D1391-WC-A1A2 (LAB REPORT BFG0237): STLC for lead
5. B0859-WC-A1A2 (LAB REPORT BFG0239): STLC and TCLP for lead
6. B0859-WC-A1A2A3 (LAB REPORT BFG0239): STLC and TCLP for lead
7. C0291-WC-A1A2 (LAB REPORT BFG0279): STLC and TCLP for lead
8. C0291-WC-A1A2A3 (LAB REPORT BFG0279): STLC and TCLP for lead
9. B0834-WC-A1A2 (LAB REPORT BFG0280): STLC and TCLP for lead
10. B0834-WC-A1A2A3 (LAB REPORT BFG0280): STLC for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# COOLER RECEIPT FORM

Client Name: Parsons

Project Name: DTSC Exide Residential Project No.: 684735

AETL Job Number: BFG0235

Date Received: 07/24/2024 Received by: Greta Giragoosian

Carrier: ☑ AETL Courier ☐ Client ☐ GSL ☐ FedEx ☐ UPS
☐Others:

**Samples were received in:** ☐ Cooler (_____) ☑ Other (Specify): Box

**Sample Container Temperature:** 29.0 °C IR Gun S/N: 51941911MV

**Type of sample containers:** VOA, Glass bottles, ✔Wide mouth jars, HDPE bottles, Metal sleeves, Acetate sleeves, 5035 Kit: AETL o r Client, Tedlar Bags, Summa Canister: 6L, 3L, 1L, Others (Specify): _____

**How are samples preserved:** ☑ None, ☐ Ice, ☐ Blue Ice, ☐ Dry Ice
☑ None, ☐ $HNO_3$, ☐ NaOH, ☐ ZnOAc, ☐ HCl, ☐ $Na_2S_2O_3$, ☐ MeOH, ☐ $NaHSO_4$
☐ Other (Specify):

| | Yes | No* | N/A | Note or Comment |
|---|---|---|---|---|
| 1. Are the COCs Correct? | ✔ | | | |
| 2. Are Sample labels legible & indelible ink? | ✔ | | | |
| 3. Do samples match the COC? | ✔ | | | |
| 4. Are the required analyses clear? | ✔ | | | |
| 5. Is there enough samples for required analysis? | ✔ | | | |
| 6. Does cooler or samples have custody seal(s)? | | | ✔ | |
| 7. Are sample containers intact and in good condition? | ✔ | | | |
| 8. Are samples preserved? | | | ✔ | |
| 9. Are samples preserved properly for the intended analysis? | | | ✔ | |
| 10. Are the VOAs free of headspace? See footnote. | | | ✔ | |
| 11. Are the jars free of headspace? | | | ✔ | |
| 12. Are there any samples with short hold times? | | ✔ | | |

* = see note below. N/A = Not Applicable

***PLEASE NOTE ALL SAMPLES WILL BE DISPOSED OF 30 DAYS AFTER RECEIVING DATE. IF AETL IS INFORMED OTHERWISE, THERE WILL BE A STORAGE CHARGE PER SAMPLE PER MONTH FOR ANY SAMPLE HELD BEYOND 30 DAYS.***

◯ Example maximum headspace bubble size; acceptance criteria not to exceed 5-6 mm in diameter.

For headspace bubbles exceeding 6 mm in diameter, sample receiving will tag the VOA and notify the Project Manager (PM). The PM will contact the client for Analyze or Resample instructions.

* For samples generating a "No" answer, the Project Manager is notified, and the PM will contact the client for Analyze or Resample instructions.

Performance Analytical Laboratories, Inc.

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Client Project Name: BFG0235
Work Order Number: P407027

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1.1.2 Batch Summary (B4G0123) ..... 9

# METALS

# QC SUMMARY

Sequence

| RackTube | Sample Label |
|---|---|
| S1:1 | Blank |
| S1:2 | ICAL-PG41703 |
| S1:3 | S4H0001-ICV1 |
| S1:1 | S4H0001-ICB1 |
| S1:4 | S4H0001-IFB1 |
| S1:5 | S4H0001-IFA1 |
| S1:7 | S4H0001-CRL1 |
| S1:8 | S4H0001-CRL2 |
| S1:6 | S4H0001-CCV1 |
| S1:1 | S4H0001-CCB1 |
| 1:1 | B4G0140-BLK1 |
| 1:2 | B4G0140-BS1 |
| 1:3 | B4G0140-MS1 |
| 1:4 | B4G0140-MSD1 |
| 1:5 | P407001-03 |
| 1:6 | P405072-01 |
| 1:7 | P406075-01 |
| 1:8 | P406066-01 |
| 1:9 | B4G0138-BLK1 |
| 1:10 | B4G0138-BS1 |
| S1:6 | S4H0001-CCV2 |
| S1:1 | S4H0001-CCB2 |
| 1:11 | B4G0138-MS1 |
| 1:12 | B4G0138-MSD1 |
| 1:13 | P405073-01 |
| 1:14 | P405073-02 |
| 1:15 | B4G0123-BLK1 |
| 1:16 | B4G0123-BS1 |
| 1:17 | B4G0123-MS1 |
| 1:18 | B4G0123-MSD1 |
| 1:19 | P407025-01 |
| 1:20 | P407027-01 |
| S1:6 | S4H0001-CCV3 |
| S1:1 | S4H0001-CCB3 |
| 1:21 | P407027-02 |
| 1:22 | P407029-01 |
| 1:23 | P407029-02 |
| 1:24 | P407031-01 |
| 1:25 | P407031-02 |
| 1:26 | B4G0123-PS1 |
| 1:27 | TEST 55024 |
| S1:6 | S4H0001-CCV4 |
| S1:1 | S4H0001-CCB4 |

# CRDL STANDARD

## EPA 6010B

| | | | |
|---|---|---|---|
| Laboratory: | Performance Analytical Laboratories | Work Order: | P407027 |
| Client: | American ET Lab | Project: | BFG0235 |
| Instrument ID: | ICP-1 | Calibration: | UNASSIGNED |
| Sequence: | S4H0001 | | |

| Lab Sample ID | Analyte | True | Found | %R | Units | QC Limts |
|---|---|---|---|---|---|---|
| S4H0001-CRL1 | Antimony | 160 | 153 | 95.7 | ppb | 70 - 130 |
| | Arsenic | 160 | 150 | 93.6 | ppb | 70 - 130 |
| | Cadmium | 160 | 158 | 98.5 | ppb | 70 - 130 |
| | Copper | 160 | 154 | 96.1 | ppb | 70 - 130 |
| | Lead | 160 | 160 | 99.8 | ppb | 70 - 130 |
| | Zinc | 160 | 158 | 98.9 | ppb | 70 - 130 |
| S4H0001-CRL2 | Antimony | 32.2 | 34.3 | 106 | ppb | 70 - 130 |
| | Arsenic | 32.2 | 28.3 | 88.0 | ppb | 70 - 130 |
| | Cadmium | 32.2 | 31.2 | 96.9 | ppb | 70 - 130 |
| | Copper | 32.2 | 30.8 | 95.5 | ppb | 70 - 130 |
| | Lead | 32.2 | 28.7 | 89.1 | ppb | 70 - 130 |
| | Zinc | 32.2 | 31.6 | 98.3 | ppb | 70 - 130 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B

| | | | |
|---|---|---|---|
| Laboratory: | Performance Analytical Laboratories | Work Order: | P407027 |
| Client: | American ET Lab | Project: | BFG0235 |
| Instrument ID: | ICP-1 | Calibration: | UNASSIGNED |
| Sequence: | S4H0001 | | |

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4H0001-IFA1 | Antimony | | 13.04000 | | ppb | +/- 60 ppb |
| | Arsenic | | 7.22000 | | ppb | +/- 60 ppb |
| | Cadmium | | 8.00000 | | ppb | +/- 20 ppb |
| | Copper | | 18.14000 | | ppb | +/- 20 ppb |
| | Lead | | -12.99000 | | ppb | +/- 60 ppb |
| | Zinc | | 30.21000 | | ppb | +/- 60 ppb |

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4H0001-IFB1 | Antimony | | -1.96000 | | ppb | +/- 60 ppb |
| | Arsenic | 1060 | 1,049.58000 | 99.0 | ppb | +/- 20.00 % |
| | Cadmium | 318 | 320.32000 | 101 | ppb | +/- 20.00 % |
| | Lead | 1060 | 1,041.10000 | 98.2 | ppb | +/- 20.00 % |
| | Zinc | 318 | 324.29000 | 102 | ppb | +/- 20.00 % |

# INITIAL AND CONTINUING CALIBRATION CHECK

## EPA 6010B

| | | | |
|---|---|---|---|
| Laboratory: | Performance Analytical Laboratories | Work Order: | P407027 |
| Client: | American ET Lab | Project: | BFG0235 |
| Instrument ID: | ICP-1 | Calibration: | UNASSIGNED |
| | | Sequence: | S4H0001 |

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4H0001-CCV1 | Antimony | 2070 | 2080 | 101 | ppb | +/- 15.00% |
| | Arsenic | 2070 | 2100 | 101 | ppb | +/- 15.00% |
| | Cadmium | 2070 | 2150 | 104 | ppb | +/- 15.00% |
| | Copper | 2070 | 2090 | 101 | ppb | +/- 15.00% |
| | Lead | 2070 | 2170 | 105 | ppb | +/- 15.00% |
| | Zinc | 2070 | 2170 | 105 | ppb | +/- 15.00% |
| S4H0001-CCV2 | Antimony | 2070 | 2120 | 102 | ppb | +/- 15.00% |
| | Arsenic | 2070 | 2110 | 102 | ppb | +/- 15.00% |
| | Cadmium | 2070 | 2180 | 105 | ppb | +/- 15.00% |
| | Copper | 2070 | 2110 | 102 | ppb | +/- 15.00% |
| | Lead | 2070 | 2210 | 107 | ppb | +/- 15.00% |
| | Zinc | 2070 | 2210 | 107 | ppb | +/- 15.00% |
| S4H0001-CCV3 | Antimony | 2070 | 2100 | 101 | ppb | +/- 15.00% |
| | Arsenic | 2070 | 2110 | 102 | ppb | +/- 15.00% |
| | Cadmium | 2070 | 2160 | 105 | ppb | +/- 15.00% |
| | Copper | 2070 | 2090 | 101 | ppb | +/- 15.00% |
| | Lead | 2070 | 2200 | 106 | ppb | +/- 15.00% |
| | Zinc | 2070 | 2190 | 106 | ppb | +/- 15.00% |
| S4H0001-CCV4 | Antimony | 2070 | 2140 | 103 | ppb | +/- 15.00% |
| | Arsenic | 2070 | 2160 | 104 | ppb | +/- 15.00% |
| | Cadmium | 2070 | 2200 | 106 | ppb | +/- 15.00% |
| | Copper | 2070 | 2130 | 103 | ppb | +/- 15.00% |
| | Lead | 2070 | 2240 | 108 | ppb | +/- 15.00% |
| | Zinc | 2070 | 2230 | 108 | ppb | +/- 15.00% |
| S4H0001-ICV1 | Antimony | 2070 | 2110 | 102 | ppb | +/- 15.00% |
| | Arsenic | 2070 | 2090 | 101 | ppb | +/- 15.00% |
| | Cadmium | 2070 | 2150 | 104 | ppb | +/- 15.00% |
| | Copper | 2070 | 2090 | 101 | ppb | +/- 15.00% |
| | Lead | 2070 | 2160 | 105 | ppb | +/- 15.00% |
| | Zinc | 2070 | 2160 | 105 | ppb | +/- 15.00% |

# CCB Summary

## EPA 6010B

| | | | |
|---|---|---|---|
| Laboratory: | Performance Analytical Laboratories | Work Order: | P407027 |
| Client: | American Environmental Testing Labs | Project: | Exide Initial 200 Single Cleanup Unit (SCU) |
| Instrument ID: | ICP-1 | Calibration: | UNASSIGNED |
| Sequence: | S4H0001 | | |

| Lab Sample ID | Analyte | Found | Units | RL | C |
|---|---|---|---|---|---|
| S4H0001-CCB1 | Antimony | 27.4 | ppb | 30.0 | U |
| | Arsenic | 5.21 | ppb | 30.0 | U |
| | Cadmium | 0.740 | ppb | 10.0 | U |
| | Copper | 0.670 | ppb | 10.0 | U |
| | Lead | 0.100 | ppb | 30.0 | U |
| | Zinc | -1.12 | ppb | 30.0 | U |
| S4H0001-CCB2 | Antimony | 8.57 | ppb | 30.0 | U |
| | Arsenic | 1.48 | ppb | 30.0 | U |
| | Cadmium | -0.850 | ppb | 10.0 | U |
| | Copper | -0.640 | ppb | 10.0 | U |
| | Lead | -1.90 | ppb | 30.0 | U |
| | Zinc | -0.970 | ppb | 30.0 | U |
| S4H0001-CCB3 | Antimony | 3.87 | ppb | 30.0 | U |
| | Arsenic | 5.79 | ppb | 30.0 | U |
| | Cadmium | -0.700 | ppb | 10.0 | U |
| | Copper | -0.660 | ppb | 10.0 | U |
| | Lead | -0.970 | ppb | 30.0 | U |
| | Zinc | -0.940 | ppb | 30.0 | U |
| S4H0001-CCB4 | Antimony | 4.28 | ppb | 30.0 | U |
| | Arsenic | 6.27 | ppb | 30.0 | U |
| | Cadmium | -0.510 | ppb | 10.0 | U |
| | Copper | -0.430 | ppb | 10.0 | U |
| | Lead | -2.95 | ppb | 30.0 | U |
| | Zinc | -0.810 | ppb | 30.0 | U |
| S4H0001-ICB1 | Antimony | -7.28 | ppb | 30.0 | U |
| | Arsenic | -2.81 | ppb | 30.0 | U |
| | Cadmium | -1.16 | ppb | 10.0 | U |
| | Copper | -0.980 | ppb | 10.0 | U |
| | Lead | -3.38 | ppb | 30.0 | U |
| | Zinc | -4.32 | ppb | 30.0 | U |

# PREPARATION BATCH SUMMARY

## EPA 6010B

| | | | |
|---|---|---|---|
| Laboratory: | Performance Analytical Laboratories | Work Order: | P407027 |
| Client: | American ET Lab | Project: | BFG0235 |
| Batch: | B4G0123 Batch Matrix: Solid | Preparation: | EPA 3050B |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT | FINAL VOL. |
|---|---|---|---|---|
| Blank | B4G0123-BLK1 | 07/25/24 11:08 | 1.00 | 50.00 |
| LCS | B4G0123-BS1 | 07/25/24 11:08 | 1.00 | 50.00 |
| D1529-WC-A1A2 | B4G0123-MS1 | 07/25/24 11:08 | 1.00 | 50.00 |
| D1529-WC-A1A2 | B4G0123-MSD1 | 07/25/24 11:08 | 1.00 | 50.00 |
| D1529-WC-A1A2 | B4G0123-PS1 | 07/25/24 11:08 | 0.04 | 10.00 |
| D1529-WC-A1A2 | P407027-01 | 07/26/24 08:43 | 1.00 | 50.00 |
| D1529-WC-A1A2A3 | P407027-02 | 07/26/24 08:43 | 1.00 | 50.00 |

Performance Analytical Laboratories, Inc.

ELAP 2960

August 01, 2024

American Environmental Testing Labs
2840 N. Naomi Street
Burbank, CA 91504

Re: Exide Initial 200 Single Cleanup Unit (SCU)
Project No. : BFG0235
Work Order: P407027

Dear Hailley Coleman

Enclosed are the results of analyses for samples received by our laboratory on 7/25/2024. The contents of this report apply to the sample(s) analyzed in accordance with the chain-of-custody document supplied with the sample(s).

No duplication of this report is allowed, except in its entirety. Please do not hesitate to call if you have any questions and thank you very much for using Performance Analytical Laboratories for your analytical needs.

Regards,

Marycarol Valenzuela
Technical Director

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Performance Analytical Laboratories, Inc.

ELAP 2960

| | |
|---|---|
| American Environmental Testing Labs | Project: Exide Initial 200 Single Cleanup Unit (SCU) |
| 2840 N. Naomi Street | Project Number: BFG0235 |
| Burbank, CA 91504 | Project Manager: Hailley Coleman |

## Samples in this Report

| Lab ID | Sample | Qualifier | Matrix | Date Sampled | Time Sampled | Date Received | Time Received |
|---|---|---|---|---|---|---|---|
| P407027-01 | D1529-WC-A1A2 | | Solid | 07/24/2024 | 8:41 | 07/25/2024 | 8:49 |
| P407027-02 | D1529-WC-A1A2A3 | | Solid | 07/24/2024 | 8:43 | 07/25/2024 | 8:49 |

Performance Analytical Laboratories, Inc.

ELAP 2960

| | |
|---|---|
| American Environmental Testing Labs | Project: Exide Initial 200 Single Cleanup Unit (SCU) |
| 2840 N. Naomi Street | Project Number: BFG0235 |
| Burbank, CA 91504 | Project Manager: Hailley Coleman |

**Sample: D1529-WC-A1A2** **P407027-01 (Solid)**

| Analyte | Result | Units | DF | MDL | RL | Date Analyzed | Method | Qual |
|---|---|---|---|---|---|---|---|---|
| **Metals, CA Title 22 (Batch ID: B4G0123)** | | | | | | | | |
| Antimony | ND | mg/kg | 1 | 2.60 | 4.99 | 08/01/2024 | EPA 6010B | |
| **Arsenic** | **5.30** | mg/kg | 1 | 0.978 | 2.00 | 08/01/2024 | EPA 6010B | |
| **Cadmium** | **1.22** | mg/kg | 1 | 0.988 | 2.00 | 08/01/2024 | EPA 6010B | J |
| **Copper** | **36.3** | mg/kg | 1 | 0.918 | 2.00 | 08/01/2024 | EPA 6010B | |
| **Lead** | **110** | mg/kg | 1 | 0.530 | 2.00 | 08/01/2024 | EPA 6010B | |
| **Zinc** | **227** | mg/kg | 1 | 1.35 | 2.99 | 08/01/2024 | EPA 6010B | |

**Sample: D1529-WC-A1A2A3** **P407027-02 (Solid)**

| Analyte | Result | Units | DF | MDL | RL | Date Analyzed | Method | Qual |
|---|---|---|---|---|---|---|---|---|
| **Metals, CA Title 22 (Batch ID: B4G0123)** | | | | | | | | |
| Antimony | ND | mg/kg | 1 | 2.61 | 5.00 | 08/01/2024 | EPA 6010B | |
| **Arsenic** | **3.64** | mg/kg | 1 | 0.980 | 2.00 | 08/01/2024 | EPA 6010B | |
| Cadmium | ND | mg/kg | 1 | 0.990 | 2.00 | 08/01/2024 | EPA 6010B | |
| **Copper** | **29.6** | mg/kg | 1 | 0.920 | 2.00 | 08/01/2024 | EPA 6010B | |
| **Lead** | **36.1** | mg/kg | 1 | 0.531 | 2.00 | 08/01/2024 | EPA 6010B | |
| **Zinc** | **127** | mg/kg | 1 | 1.35 | 3.00 | 08/01/2024 | EPA 6010B | |

Performance Analytical Laboratories, Inc.

ELAP 2960

| | |
|---|---|
| American Environmental Testing Labs | Project: Exide Initial 200 Single Cleanup Unit (SCU) |
| 2840 N. Naomi Street | Project Number: BFG0235 |
| Burbank, CA 91504 | Project Manager: Hailley Coleman |

## Quality Control

### Metals, CA Title 22

| Analyte | Result | Qual | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: B4G0123*** | | | | | | | | | | | |
| **Blank (B4G0123-BLK1)** | | | | | Prepared: 07/25/2024 Analyzed: 08/01/2024 | | | | | | |
| Antimony | ND | | 2.61 | 5.00 | mg/kg | | | | | | |
| Arsenic | ND | | 0.980 | 2.00 | mg/kg | | | | | | |
| Cadmium | ND | | 0.990 | 2.00 | mg/kg | | | | | | |
| Copper | ND | | 0.920 | 2.00 | mg/kg | | | | | | |
| Lead | 0.832 | J | 0.531 | 2.00 | mg/kg | | | | | | |
| Zinc | ND | | 1.35 | 3.00 | mg/kg | | | | | | |
| **LCS (B4G0123-BS1)** | | | | | Prepared: 07/25/2024 Analyzed: 08/01/2024 | | | | | | |
| Antimony | 102 | | 2.61 | 5.00 | mg/kg | 100 | | 102 | 75-125 | | |
| Arsenic | 109 | | 0.980 | 2.00 | mg/kg | 100 | | 109 | 75-125 | | |
| Cadmium | 113 | | 0.990 | 2.00 | mg/kg | 100 | | 113 | 75-125 | | |
| Copper | 112 | | 0.920 | 2.00 | mg/kg | 100 | | 112 | 75-125 | | |
| Lead | 117 | | 0.531 | 2.00 | mg/kg | 100 | | 117 | 75-125 | | |
| Zinc | 114 | | 1.35 | 3.00 | mg/kg | 100 | | 114 | 75-125 | | |
| **Matrix Spike (B4G0123-MS1)** | | | **Source: P407027-01** | | Prepared: 07/25/2024 Analyzed: 08/01/2024 | | | | | | |
| Antimony | 17.6 | QM-01 | 2.61 | 5.00 | mg/kg | 100 | ND | 17.6 | 75-125 | | |
| Arsenic | 110 | | 0.980 | 2.00 | mg/kg | 100 | 5.30 | 105 | 75-125 | | |
| Cadmium | 105 | | 0.990 | 2.00 | mg/kg | 100 | 1.22 | 103 | 75-125 | | |
| Copper | 148 | | 0.920 | 2.00 | mg/kg | 100 | 36.3 | 111 | 75-125 | | |
| Lead | 186 | | 0.531 | 2.00 | mg/kg | 100 | 110 | 76.1 | 75-125 | | |
| Zinc | 295 | QM-01 | 1.35 | 3.00 | mg/kg | 100 | 227 | 67.3 | 75-125 | | |
| **Matrix Spike Dup (B4G0123-MSD1)** | | | **Source: P407027-01** | | Prepared: 07/25/2024 Analyzed: 08/01/2024 | | | | | | |
| Antimony | 17.5 | QM-01 | 2.60 | 4.99 | mg/kg | 99.8 | ND | 17.6 | 75-125 | 0.586 | 20 |
| Arsenic | 111 | | 0.978 | 2.00 | mg/kg | 99.8 | 5.30 | 106 | 75-125 | 0.736 | 20 |
| Cadmium | 105 | | 0.988 | 2.00 | mg/kg | 99.8 | 1.22 | 104 | 75-125 | 0.177 | 20 |
| Copper | 151 | | 0.918 | 2.00 | mg/kg | 99.8 | 36.3 | 115 | 75-125 | 2.43 | 20 |
| Lead | 197 | | 0.530 | 2.00 | mg/kg | 99.8 | 110 | 87.1 | 75-125 | 5.62 | 20 |
| Zinc | 314 | | 1.35 | 2.99 | mg/kg | 99.8 | 227 | 87.1 | 75-125 | 6.44 | 20 |

Performance Analytical Laboratories, Inc.

ELAP 2960

| | |
|---|---|
| American Environmental Testing Labs | Project: Exide Initial 200 Single Cleanup Unit (SCU) |
| 2840 N. Naomi Street | Project Number: BFG0235 |
| Burbank, CA 91504 | Project Manager: Hailley Coleman |

## Quality Control
**(Continued)**

### Metals, CA Title 22 (Continued)

| Analyte | Result | Qual | MDL | RL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: B4G0123 (Continued)*** | | | | | | | | | | | |
| **Post Spike (B4G0123-PS1)** | | | **Source: P407027-01** | | Prepared: 07/25/2024 Analyzed: 08/01/2024 | | | | | | |
| Antimony | 508 | | 13.0 | 25.0 | mg/kg | 499 | ND | 102 | 70-130 | | |
| Arsenic | 523 | | 4.89 | 9.98 | mg/kg | 499 | 5.30 | 104 | 70-130 | | |
| Cadmium | 517 | | 4.94 | 9.98 | mg/kg | 499 | ND | 104 | 70-130 | | |
| Copper | 554 | | 4.59 | 9.98 | mg/kg | 499 | 36.3 | 104 | 70-130 | | |
| Lead | 633 | | 2.65 | 9.98 | mg/kg | 499 | 110 | 105 | 70-130 | | |
| Zinc | 756 | | 6.74 | 15.0 | mg/kg | 499 | 227 | 106 | 70-130 | | |

Performance Analytical Laboratories, Inc.

ELAP 2960

| | |
|---|---|
| American Environmental Testing Labs | Project: Exide Initial 200 Single Cleanup Unit (SCU) |
| 2840 N. Naomi Street | Project Number: BFG0235 |
| Burbank, CA 91504 | Project Manager: Hailley Coleman |

## Notes and Definitions

| Item | Definition |
|---|---|
| J | Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). |
| QM-01 | Spike recovery for this QC sample is outside of established control limits due to sample matrix interference. |
| Dry | Sample results reported on a dry weight basis. |
| ND | Analyte NOT DETECTED at or above the reporting limit. |
| RPD | Relative Percent Difference |
| %REC | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated. |
| (R) | Re-run for dilution or confirmation. |

Performance Analytical Laboratories, Inc.

ELAP 2960

| | |
|---|---|
| American Environmental Testing Labs | Project: Exide Initial 200 Single Cleanup Unit (SCU) |
| 2840 N. Naomi Street | Project Number: BFG0235 |
| Burbank, CA 91504 | Project Manager: Hailley Coleman |

# Sample Summary Report

**Sample: D1529-WC-A1A2**

**P407027-01** (Solid)

| Method | Prep Type | Prep Date | Prep Factor | Batch | Instrument ID | Analysis Date | Analyst |
|---|---|---|---|---|---|---|---|
| EPA 6010B | EPA 3050B | 07/26/2024 | 0.998 | B4G0123 | ICP-1 | 08/01/2024 | MV |

**Sample: D1529-WC-A1A2A3**

**P407027-02** (Solid)

| Method | Prep Type | Prep Date | Prep Factor | Batch | Instrument ID | Analysis Date | Analyst |
|---|---|---|---|---|---|---|---|
| EPA 6010B | EPA 3050B | 07/26/2024 | 1 | B4G0123 | ICP-1 | 08/01/2024 | MV |

P407027

AMERICAN ENVIRONMENTAL TESTING LABORATORY, LLC
2840 North Naomi Street, Burbank, CA 91504 • ELAP# 1541 • LACSD# 10181
Telephone (888) 288-AETL • (818) 845-8200 • www.aetlab.com

# SUBCONTRACT CHAIN of CUSTODY

**Sending Laboratory:**

AETL
AETL, LLC. 2840 N. Naomi Street
Burbank, CA 91504
Phone: 818-845-8200

Project Manager: Hailley Coleman
Email: hcoleman@aetlab.com

**Subcontracted Laboratory:**

Performance Analytical Laboratories
2702 E Willow Street
Signal Hills, CA 90755
Phone: (310) 809-1041
Fax:

**Work Order: BFG0235** PO #SUB-37211

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: BFG0235-01 (D1529-WC-A1A2)** *Soil Sampled: 07/24/2024 08:41* | | | |
| zzm_6010B_6 Metals (6 Metals (As, Sb, Cd, Cu, Pb, Zn) by ICP (SW-846)) | 07/31/2024 | 01/20/2025 08:41 | |
| *Containers Supplied:* Glass Jar - 8 oz (A) | | | |
| **Sample ID: BFG0235-02 (D1529-WC-A1A2A3)** *Soil Sampled: 07/24/2024 08:43* | | | |
| zzm_6010B_6 Metals (6 Metals (As, Sb, Cd, Cu, Pb, Zn) by ICP (SW-846)) | 07/31/2024 | 01/20/2025 08:43 | |
| *Containers Supplied:* Glass Jar - 8 oz (A) | | | |

**Approved by:** HAILLEY COLEMAN — AETL Project Manager — 7/24/24 Date

| Released By AETL Sample Control | Date | Received By Courier | Date |
|---|---|---|---|
| Pat A | 7-24-24 | M Joel | 7/24/24 1530 |
| Released By Courier | Date | Received By Subcontract Laboratory | Date |

Performance Analytical Laboratories, Inc.

# SAMPLE RECEIPT FORM

WORK ORDER ID: P407027

Cooler 1 of 1

Client: AETL

Date Received: 7/24/24

Courier: (X) CLIENT ( ) PALI ( ) OTHER _____ ( ) FEDEX ( ) UPS Tracking # _____

TEMPERATURE: Criteria 0.0°C - 6.0°C

| Cooler ID | Temperature Reading | Temperature w/o CF (°C) | Correction Factor (CF ) (°C) | Temperature with CF (°C) | Thermometer ID |
|---|---|---|---|---|---|
| | ( ) Blank Sample | | | | |

( ) WET ICE ( ) BLUE ICE (X) AMBIENT ( ) OTHER _____

( ) Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

CUSTODY SEALS

Cooler Seal ( ) Present and Intact ( ) Present and **NOT** Intact ( ) Seals signed and dated (X) Not Present

Sample Seal ( ) Present and Intact ( ) Present and **NOT** Intact ( ) Seals signed and dated (X) Not Present

CLIENT COC

(X) INCLUDED ( ) NOT INCLUDED

(X) Complete ( ) Incomplete, See Notes/ Discrepancy Form

SAMPLE MATRIX

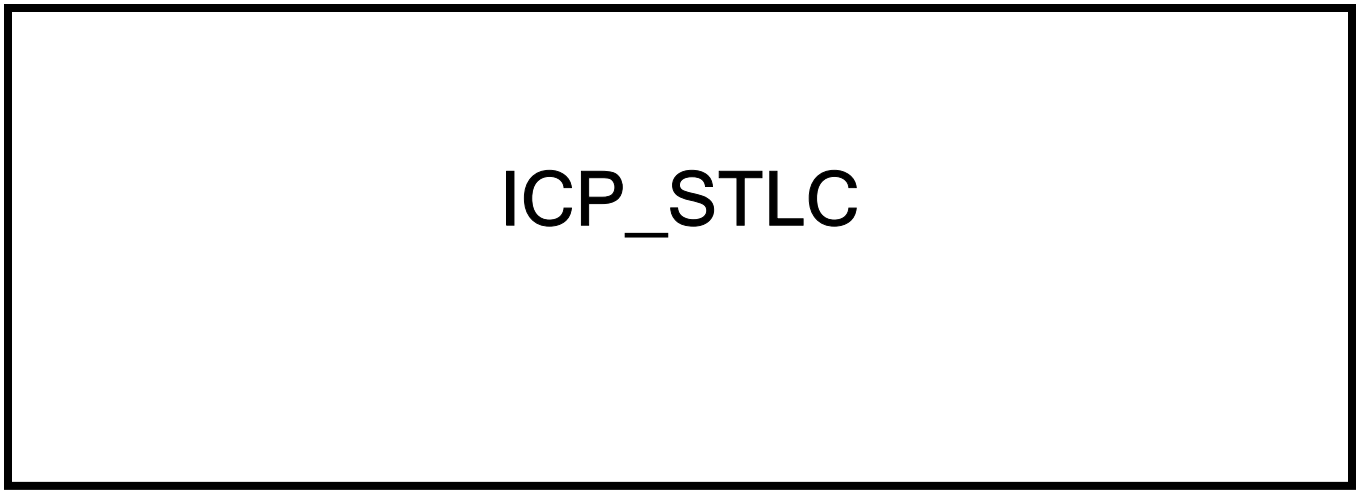
(X) SOLID ( ) LIQUID ( ) AIR ( ) OTHER _____

SAMPLE CONDITION

| | YES | NO | N/A |
|---|---|---|---|
| All sample containers received intact and in good condition | X | | |
| All samples listed on COC(s) are present | X | | |
| All sample info on containers are consistent with sample info on COC(s) | X | | |
| Correct containers for analyses requested | X | | |
| Sufficient volume for analyses requested | X | | |
| Proper preservation chemical(s) noted on COC and/or sample container | X | | |
| All samples received within method holding time | X | | |
| Volatile analysis containers free of headspace larger than 6mm | | | X |

NOTES

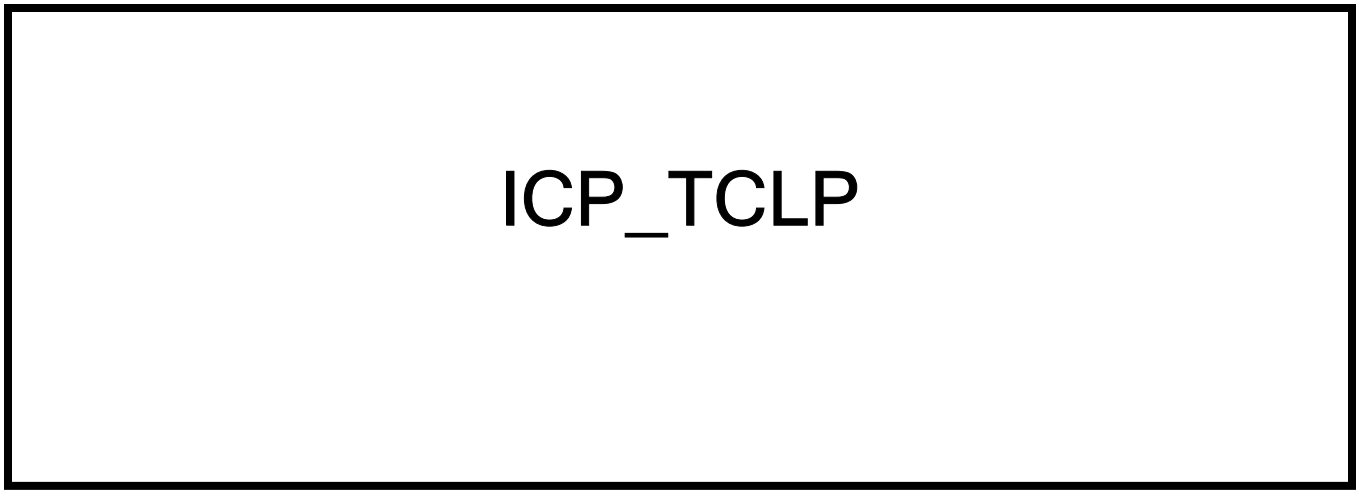
| Initials | Date | Initials | Date |
|---|---|---|---|
| MV | 7/24/2024 | | |


ICP_STLC

# PREPARATION BATCH SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0235 |
| Client: | Parsons | | | Project: | Exide Initial 200 Single Cleanup Unit (SCU) |
| Batch: | B4H0115 | Batch Matrix: | Soil | Preparation: | CA WET- STLC |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4H0115-BLK1 | 08/06/24 14:36 | 50.00 | 500 |
| Blank | B4H0115-BLK2 | 08/06/24 14:36 | 50.00 | 500 |
| D1529-WC-A1A2 | BFG0235-01 | 08/06/24 14:36 | 50.00 | 500 |


ICP_TCLP

# PREPARATION BATCH SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0235 |
| Client: | Parsons | | | Project: | Exide Initial 200 Single Cleanup Unit (SCU) |
| Batch: | B4H0116 | Batch Matrix: | Soil | Preparation: | 1311- Extraction |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4H0116-BLK1 | 08/07/24 14:45 | 100.00 | 2000 |
| Blank | B4H0116-BLK2 | 08/07/24 14:45 | 100.00 | 2000 |
| D1529-WC-A1A2 | BFG0235-01 | 08/07/24 14:45 | 100.08 | 2002 |

# METALS

SAMPLE DATA

# SAMPLE DATA
# METALS

# FORM I
# ANALYSIS DATA SHEET
D1529-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0235 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | BFG0235-01 |
| Sampled: | 07/24/24 08:41 | | |
| % Solids: | 0.00 | | |

| Analyte | Concentration (mg/L) | PQL | MDL | DF | Q | Batch | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Lead | ND | 0.200 | 0.0461 | 1 | | B4H0189 | 08/12/24 16:14 | EPA 6010B-1311 TCLP |

# PREPARATION BATCH SUMMARY

## EPA 6010B-1311 TCLP

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0235 |
| Client: | | | | Project: | 684735 |
| Batch: | B4H0189 | Batch Matrix: | Soil | Preparation: | 1311- ICP |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4H0189-BLK1 | 08/12/24 10:45 | 10.00 | 50.00 |
| LCS | B4H0189-BS1 | 08/12/24 10:45 | 10.00 | 50.00 |
| LCS Dup | B4H0189-BSD1 | 08/12/24 10:45 | 10.00 | 50.00 |
| Duplicate | B4H0189-DUP1 | 08/12/24 10:45 | 10.00 | 50.00 |
| Matrix Spike | B4H0189-MS1 | 08/12/24 10:45 | 10.00 | 50.00 |
| Matrix Spike Dup | B4H0189-MSD1 | 08/12/24 10:45 | 10.00 | 50.00 |
| D1529-WC-A1A2 | BFG0235-01 | 08/12/24 10:45 | 10.00 | 50.00 |

# PREPARATION BENCH SHEET

## B4H0189

**AETL**

**Printed: 8/13/2024 10:53:24AM**

**Matrix: Soil** **Prepared using: METALS - 1311- ICP** **(No Surrogate)**

| Lab Number | Analysis | Prepared | Initial (mL) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surrogate | Client | Extraction Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| B4H0189-BLK1 | QC | 08/12/2024 10:45 | 10 | 50 | | | | | | |
| B4H0189-BS1 | QC | 08/12/2024 10:45 | 10 | 50 | BE42111 | | 50000 | | | |
| B4H0189-BSD1 | QC | 08/12/2024 10:45 | 10 | 50 | BE42111 | | 50000 | | | |
| B4H0189-DUP1 | QC | 08/12/2024 10:45 | 10 | 50 | | BFH0042-02 | | | | |
| B4H0189-MS1 | QC | 08/12/2024 10:45 | 10 | 50 | BE42111 | BFH0042-02 | 50000 | | | |
| B4H0189-MSD1 | QC | 08/12/2024 10:45 | 10 | 50 | BE42111 | BFH0042-02 | 50000 | | | |
| BFD0249-01 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | Parsons | |
| BFG0060-01 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | Parsons | |
| BFG0209-01 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | Parsons | |
| BFG0209-02 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | Parsons | |
| BFG0235-01 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | Parsons | |
| BFG0239-01 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | Parsons | |
| BFG0239-02 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | Parsons | |
| BFG0279-01 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | Parsons | |
| BFG0279-02 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | Parsons | |
| BFG0280-01 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | Parsons | |
| BFH0027-03 | TCLP-6010B-Se | 08/12/2024 10:45 | 10 | 50 | | | | | | |
| BFH0032-01 | zzm_6010B-TCLP | 08/12/2024 10:45 | 10 | 50 | | | | | | |
| BFH0042-02 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | | Added for BatchQC in: B4H0189 |
| BFH0042-02 | TCLP-6010B-Se | 08/12/2024 10:45 | 10 | 50 | | | | | | Added for BatchQC in: B4H0189 |
| BFH0042-02 | TCLP-6010B-Ag | 08/12/2024 10:45 | 10 | 50 | | | | | | Added for BatchQC in: B4H0189 |
| BFH0042-02 | TCLP-6010B-Cd | 08/12/2024 10:45 | 10 | 50 | | | | | | Added for BatchQC in: B4H0189 |
| BFH0042-02 | zzm_6010B-TCLP | 08/12/2024 10:45 | 10 | 50 | | | | | | |

8/12/24 — iking Witnessed By — Date

8/12/24 — Preparation Reviewed By — Date

8/12/24 — Extracts Received By — Date





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## PREPARATION BENCH SHEET

B4H0189

**AETL**

**Printed: 8/13/2024 10:53:24AM**

**Matrix: Soil** **Prepared using: METALS - 1311- ICP** **(No Surrogate)**

| Lab Number | Analysis | Prepared | Initial (mL) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surrogate | Client | Extraction Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| BFH0042-02 | TCLP-6010B-Cr | 08/12/2024 10:45 | 10 | 50 | | | | | | Added for BatchQC in: B4H0189 |
| BFH0042-03 | zzm_6010B-TCLP | 08/12/2024 10:45 | 10 | 50 | | | | | | |
| BFH0043-02 | zzm_6010B-TCLP | 08/12/2024 10:45 | 10 | 50 | | | | | | |
| BFH0090-01 | TCLP-6010B-Ag | 08/12/2024 10:45 | 10 | 50 | | | | | | |
| BFH0090-01 | TCLP-6010B-Cr | 08/12/2024 10:45 | 10 | 50 | | | | | | |
| BFH0090-01 | TCLP-6010B-Pb | 08/12/2024 10:45 | 10 | 50 | | | | | | |
| BFH0090-01 | TCLP-6010B-Cd | 08/12/2024 10:45 | 10 | 50 | | | | | | |

Pipette/Tip: 544461197/B107005
5Oml tube: MP3971
HOTBLOCK : A
THERMOMETER: 935177
UNCOR TEMP: 94 C
COR TEMP: 95 C
DIGESTION STARTED: 10:00 hrs
TIME END: 12:30 hrs



iking Witnessed By — 8/12/24 Date

Preparation Reviewed By — 8/12/24 Date

Extracts Received By — 8/12/24 Date



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# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0235 |
| Client: | | | Project: | 684735 | |
| Matrix: | Soil | Laboratory ID: | B4H0189-BLK1 | File ID: | 08122024BR.csv-065 |
| Sampled: | | Prepared: | 08/12/24 10:45 | Analyzed: | 08/12/24 15:22 |
| Solids: | | Preparation: | 1311- ICP | Dilution: | 1 |
| Batch: | B4H0189 | Sequence: | S4H0008 | Calibration: | 4H13001 |
| Instrument: | OPTIMA8300 | | | | |
| Column: | 1 | | | | |

| ANALYTE | CONC. (mg/L) | MDL | RL | Q |
|---|---|---|---|---|
| Lead | ND | 0.0461 | 0.200 | |

# LCS / LCS DUPLICATE RECOVERY

EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0235 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Preparation: | 1311- ICP |
| Batch: | B4H0189 | Laboratory ID: | B4H0189-BS1 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (mg/L) | LCS CONCENTRATION (mg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Lead | 10.0 | 10.5 | 105 | 80 - 120 |

| ANALYTE | SPIKE ADDED (mg/L) | LCSD CONCENTRATION (mg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 10.0 | 10.7 | 107 | 2.18 | 15 | 80 - 120 |

# DUPLICATES

## Duplicate

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0235 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | B4H0189-DUP1 |
| Batch: | B4H0189 | Initial/Final: | 10 mL / 50 mL |
| Preparation: | 1311- ICP | Analysis: | EPA 6010B-1311 TCLP |
| % Solids: | | | |

| ANALYTE | SAMPLE CONC. (mg/L) | DUPLICATE CONC. (mg/L) | RPD % | Q | CONTROL LIMIT |
|---|---|---|---|---|---|
| Lead | ND | ND | | | 15 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

## Matrix Spike

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0235 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Analysis: | EPA 6010B-1311 TCLP |
| Batch: | B4H0189 | Preparation: | 1311- ICP |
| % Solids: | | Laboratory ID: | B4H0189-MS1 |
| Column: | | Sample Lab ID: | BFH0042-02 |

| ANALYTE | SPIKE ADDED (mg/L) | SAMPLE CONCENTRATION (mg/L) | MS CONCENTRATION (mg/L) | MS % REC. | QC LIMITS REC. |
|---|---|---|---|---|---|
| Lead | 10.0 | ND | 8.37 | 83.7 | 70 - 130 |

| ANALYTE | SPIKE ADDED (mg/L) | MSD CONCENTRATION (mg/L) | MSD % REC. # | % RPD | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 10.0 | 8.27 | 82.7 | 1.25 | 15 | 70 - 130 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0235 |
| Client: | | Project: | 684735 |
| Sequence: | S4H0008 | Instrument: | OPTIMA8300 |
| Calibration: | 4H13001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0008-IBL1 | 08122024BR.csv-001 | 08/12/24 09:38 |
| Cal Standard | S4H0008-CAL1 | 08122024BR.csv-002 | 08/12/24 09:41 |
| Cal Standard | S4H0008-CAL3 | 08122024BR.csv-004 | 08/12/24 09:47 |
| Cal Standard | S4H0008-CAL4 | 08122024BR.csv-005 | 08/12/24 09:50 |
| Cal Standard | S4H0008-CAL5 | 08122024BR.csv-006 | 08/12/24 09:53 |
| Cal Standard | S4H0008-CAL6 | 08122024BR.csv-007 | 08/12/24 09:56 |
| Cal Standard | S4H0008-CAL2 | 08122024BR.csv-003 | 08/12/24 10:10 |
| Initial Cal Check | S4H0008-ICV1 | 08122024BR.csv-009 | 08/12/24 10:58 |
| Initial Cal Blank | S4H0008-ICB1 | 08122024BR.csv-010 | 08/12/24 11:01 |
| Interference Check A | S4H0008-IFA1 | 08122024BR.csv-011 | 08/12/24 11:08 |
| Interference Check B | S4H0008-IFB1 | 08122024BR.csv-012 | 08/12/24 11:11 |
| Calibration Check | S4H0008-CCV1 | 08122024BR.csv-013 | 08/12/24 11:17 |
| Calibration Blank | S4H0008-CCB1 | 08122024BR.csv-014 | 08/12/24 11:24 |
| Calibration Check | S4H0008-CCV2 | 08122024BR.csv-036 | 08/12/24 12:51 |
| Calibration Blank | S4H0008-CCB2 | 08122024BR.csv-037 | 08/12/24 12:54 |
| Calibration Check | S4H0008-CCV3 | 08122024BR.csv-048 | 08/12/24 14:00 |
| Calibration Blank | S4H0008-CCB3 | 08122024BR.csv-049 | 08/12/24 14:04 |
| Calibration Check | S4H0008-CCV4 | 08122024BR.csv-054 | 08/12/24 14:26 |
| Calibration Blank | S4H0008-CCB4 | 08122024BR.csv-055 | 08/12/24 14:29 |
| Calibration Check | S4H0008-CCV5 | 08122024BR.csv-063 | 08/12/24 15:14 |
| Calibration Blank | S4H0008-CCB5 | 08122024BR.csv-064 | 08/12/24 15:16 |
| Blank | B4H0189-BLK1 | 08122024BR.csv-065 | 08/12/24 15:22 |
| LCS | B4H0189-BS1 | 08122024BR.csv-066 | 08/12/24 15:26 |
| LCS Dup | B4H0189-BSD1 | 08122024BR.csv-067 | 08/12/24 15:29 |
| Duplicate | B4H0189-DUP1 | 08122024BR.csv-069 | 08/12/24 15:35 |
| Matrix Spike | B4H0189-MS1 | 08122024BR.csv-070 | 08/12/24 15:38 |
| Matrix Spike Dup | B4H0189-MSD1 | 08122024BR.csv-071 | 08/12/24 15:41 |
| Calibration Check | S4H0008-CCV6 | 08122024BR.csv-075 | 08/12/24 16:05 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0235 |
| Client: | | Project: | 684735 |
| Sequence: | S4H0008 | Instrument: | OPTIMA8300 |
| Calibration: | 4H13001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Calibration Blank | S4H0008-CCB6 | 08122024BR.csv-076 | 08/12/24 16:08 |
| D1529-WC-A1A2 | BFG0235-01 | 08122024BR.csv-078 | 08/12/24 16:14 |
| Calibration Check | S4H0008-CCV7 | 08122024BR.csv-087 | 08/12/24 16:43 |
| Calibration Blank | S4H0008-CCB7 | 08122024BR.csv-088 | 08/12/24 16:46 |
| Calibration Check | S4H0008-CCV8 | 08122024BR.csv-092 | 08/12/24 16:59 |
| Calibration Blank | S4H0008-CCB8 | 08122024BR.csv-093 | 08/12/24 17:01 |

# INITIAL CALIBRATION VERIFICATION

## EPA 6010B-1311 TCLP

**Laboratory:** AETL
**SDG:** BFG0235
**Client:**
**Project:** 684735
**Calibration:** 4H13001
**Laboratory ID:** S4H0008-ICV1
**Sequence:** S4H0008
**Standard ID:** BE42111

| ANALYTE | EXPECTED (mg/L) | FOUND (mg/L) | % DRIFT | QC LIMIT |
|---|---|---|---|---|
| Lead | 2.00 | 2.19 | 9.6 | |

* Values outside of QC limits

# INITIAL AND CONTINUING CALIBRATION CHECK

## EPA 6010B-1311 TCLP

Laboratory: AETL
Client:
Instrument ID: OPTIMA8300

Work Order: BFG0235
Project: 684735
Calibration: 4H13001
Sequence: S4H0008

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4H0008-ICV1 | Lead | 2.00 | 2.19 | 110 | mg/L | +/- % |
| S4H0008-CCV1 | Lead | 2.00 | 2.20 | 110 | mg/L | +/- % |
| S4H0008-CCV2 | Lead | 2.00 | 1.94 | 97.1 | mg/L | +/- % |
| S4H0008-CCV3 | Lead | 2.00 | 2.16 | 108 | mg/L | +/- % |
| S4H0008-CCV4 | Lead | 2.00 | 2.07 | 103 | mg/L | +/- % |
| S4H0008-CCV5 | Lead | 2.00 | 2.04 | 102 | mg/L | +/- % |
| S4H0008-CCV6 | Lead | 2.00 | 2.03 | 102 | mg/L | +/- % |
| S4H0008-CCV7 | Lead | 2.00 | 1.97 | 98.3 | mg/L | +/- % |
| S4H0008-CCV8 | Lead | 2.00 | 2.05 | 102 | mg/L | +/- % |

# Blank Results

## EPA 6010B-1311 TCLP

Laboratory: AETL
Work Order: BFG0235
Client:
Project: 684735

| Lab Sample ID | Analyte | Found | Units | RL |
|---|---|---|---|---|
| S4H0008-ICB1 | Lead | -0.00392 | mg/L | 0.0400 |
| S4H0008-CCB1 | Lead | -0.00400 | mg/L | 0.0400 |
| S4H0008-CCB2 | Lead | -0.0127 | mg/L | 0.0400 |
| S4H0008-CCB3 | Lead | -0.00850 | mg/L | 0.0400 |
| S4H0008-CCB4 | Lead | -0.0168 | mg/L | 0.0400 |
| S4H0008-CCB5 | Lead | -0.0139 | mg/L | 0.0400 |
| S4H0008-CCB6 | Lead | -0.0127 | mg/L | 0.0400 |
| S4H0008-CCB7 | Lead | -0.00991 | mg/L | 0.0400 |
| S4H0008-CCB8 | Lead | -0.000683 | mg/L | 0.0400 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0235 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4H13001 |
| Sequence: | S4H0008 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0008-IFA1 | Lead | 0.00 | 0.01386 | mg/L | -100 | ±0.00 % | 8/12/24 11:08 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-1311 TCLP

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0235 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4H13001 |
| Sequence: | S4H0008 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0008-IFB1 | Lead | 0.500 | 0.55094 | mg/L | 10 | ±0.00 % | 8/12/24 11:11 |

SAMPLE DATA

# SAMPLE DATA
# METALS

# FORM I
# ANALYSIS DATA SHEET

D1529-WC-A1A2

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0235 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | BFG0235-01 |
| Sampled: | 07/24/24 08:41 | | |
| % Solids: | 0.00 | | |

| Analyte | Concentration (mg/L) | PQL | MDL | DF | Q | Batch | Analyzed | Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 1.80 | 0.800 | 0.328 | 2 | D | B4H0212 | 08/13/24 14:40 | EPA |

# PREPARATION BATCH SUMMARY

## EPA 6010B-STLC

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0235 |
| Client: | | | | Project: | 684735 |
| Batch: | B4H0212 | Batch Matrix: | Soil | Preparation: | STLC- ICP |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| Blank | B4H0212-BLK1 | 08/13/24 08:50 | 5.00 | 50.00 |
| LCS | B4H0212-BS1 | 08/13/24 08:50 | 5.00 | 50.00 |
| LCS Dup | B4H0212-BSD1 | 08/13/24 08:50 | 5.00 | 50.00 |
| Duplicate | B4H0212-DUP1 | 08/13/24 08:50 | 5.00 | 50.00 |
| Matrix Spike | B4H0212-MS1 | 08/13/24 08:50 | 5.00 | 50.00 |
| Matrix Spike Dup | B4H0212-MSD1 | 08/13/24 08:50 | 5.00 | 50.00 |
| D1529-WC-A1A2 | BFG0235-01 | 08/13/24 08:50 | 5.00 | 50.00 |

# PREPARATION BENCH SHEET

## B4H0212

**AETL**

**Printed: 8/14/2024 9:49:27AM**

**Matrix: Soil** **Prepared using: METALS - STLC- ICP** **(No Surrogate)**

| Lab Number | Analysis | Prepared | Initial (mL) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surrogate | Client | Extraction Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| B4H0212-BLK1 | QC | 08/13/2024 08:50 | 5 | 50 | | | | | | |
| B4H0212-BS1 | QC | 08/13/2024 08:50 | 5 | 50 | BE42111 | | 50000 | | | |
| B4H0212-BSD1 | QC | 08/13/2024 08:50 | 5 | 50 | BE42111 | | 50000 | | | |
| B4H0212-DUP1 | QC | 08/13/2024 08:50 | 5 | 50 | | BFG0280-01 | | | | |
| B4H0212-MS1 | QC | 08/13/2024 08:50 | 5 | 50 | BE42111 | BFG0280-01 | 50000 | | | |
| B4H0212-MSD1 | QC | 08/13/2024 08:50 | 5 | 50 | BE42111 | BFG0280-01 | 50000 | | | |
| BFC0334-01 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFD0249-01 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFD0272-01 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFG0060-01 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFG0131-01 | STLC-6010B-Se | 08/13/2024 08:50 | 5 | 50 | | | | | | |
| BFG0209-01 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFG0209-02 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFG0235-01 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFG0239-01 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFG0239-02 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFG0279-01 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFG0279-02 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFG0280-01 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFG0280-01 | STLC-6010B-Se | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | Added for BatchQC in: B4H0212 |
| BFG0280-02 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | Parsons | |
| BFH0027-03 | STLC-6010B-Se | 08/13/2024 08:50 | 5 | 50 | | | | | | |
| BFH0065-01 | STLC-6010B-Pb | 08/13/2024 08:50 | 5 | 50 | | | | | | |

8/13/24 — iking Witnessed By — Date

8/13/24 — Preparation Reviewed By — Date

8/13/24 — Extracts Received By — Date

**PREPARATION BENCH SHEET**

B4H0212

**AETL**

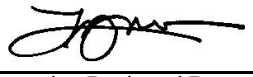
**Printed: 8/14/2024 9:49:27AM**

**Matrix: Soil** **Prepared using: METALS - STLC- ICP** **(No Surrogate)**

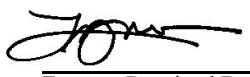
| Lab Number | Analysis | Prepared | Initial (mL) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surrogate | Client | Extraction Comments |
|---|---|---|---|---|---|---|---|---|---|---|

Pipette/Tip: 544461197/B107005
5Oml Tube: MP3971
HOTBLOCK: E
THERMOMETER: 2763
UNCOR TEMP: 95 C
COR TEMP: 95 C
DIGESTION STARTED: 09:00 hrs
TIME END: 11:30 hrs

iking Witnessed By 8/13/24 Date



Preparation Reviewed By 8/13/24 Date



Extracts Received By 8/13/24 Date

# ANALYSIS DATA SHEET

## Blank

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | AETL | | | Work Order: | BFG0235 |
| Client: | | | Project: | 684735 | |
| Matrix: | Soil | Laboratory ID: | B4H0212-BLK1 | File ID: | 08132024R.csv-069 |
| Sampled: | | Prepared: | 08/13/24 08:50 | Analyzed: | 08/13/24 13:42 |
| Solids: | | Preparation: | STLC- ICP | Dilution: | 2 |
| Batch: | B4H0212 | Sequence: | S4H0009 | Calibration: | 4H14001 |
| Column: | 1 | | | | |

Instrument: OPTIMA8300

| ANALYTE | CONC. (mg/L) | MDL | RL | Q |
|---|---|---|---|---|
| Lead | ND | 0.328 | 0.800 | D |

# LCS / LCS DUPLICATE RECOVERY

EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0235 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Preparation: | STLC- ICP |
| Batch: | B4H0212 | Laboratory ID: | B4H0212-BS1 |
| Column: | | | |

| ANALYTE | SPIKE ADDED (mg/L) | LCS CONCENTRATION (mg/L) | LCS % REC. | QC LIMITS REC. |
|---|---|---|---|---|
| Lead | 20.0 | 19.2 | 95.8 | 80 - 120 |

| ANALYTE | SPIKE ADDED (mg/L) | LCSD CONCENTRATION (mg/L) | LCSD % REC. # | % RPD # | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 20.0 | 21.1 | 106 | 9.81 | 15 | 80 - 120 |

# DUPLICATES

## Duplicate

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0235 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Laboratory ID: | B4H0212-DUP1 |
| Batch: | B4H0212 | Initial/Final: | 5 mL / 50 mL |
| Preparation: | STLC- ICP | Analysis: | EPA 6010B-STLC |

% Solids:

| ANALYTE | SAMPLE CONC. (mg/L) | DUPLICATE CONC. (mg/L) | RPD % | Q | CONTROL LIMIT |
|---|---|---|---|---|---|
| Lead | 4.35 | 4.26 | 2.03 | | 15 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

## Matrix Spike

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0235 |
| Client: | | Project: | 684735 |
| Matrix: | Soil | Analysis: | EPA 6010B-STLC |
| Batch: | B4H0212 | Preparation: | STLC- ICP |
| % Solids: | | Laboratory ID: | B4H0212-MS1 |
| Column: | | Sample Lab ID: | BFG0280-01 |

| ANALYTE | SPIKE ADDED (mg/L) | SAMPLE CONCENTRATION (mg/L) | MS CONCENTRATION (mg/L) | MS % REC. | QC LIMITS REC. |
|---|---|---|---|---|---|
| Lead | 20.0 | 4.35 | 21.9 D | 87.7 | 70 - 130 |

| ANALYTE | SPIKE ADDED (mg/L) | MSD CONCENTRATION (mg/L) | MSD % REC. # | % RPD | QC LIMITS RPD | QC LIMITS REC. |
|---|---|---|---|---|---|---|
| Lead | 20.0 | 19.9 D | 77.6 | 9.67 | 15 | 70 - 130 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0235 |
| Client: | | Project: | 684735 |
| Sequence: | S4H0009 | Instrument: | OPTIMA8300 |
| Calibration: | 4H14001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0009-IBL1 | 08132024R.csv-001 | 08/13/24 07:51 |
| Cal Standard | S4H0009-CAL2 | 08132024R.csv-003 | 08/13/24 07:58 |
| Cal Standard | S4H0009-CAL3 | 08132024R.csv-004 | 08/13/24 08:01 |
| Cal Standard | S4H0009-CAL4 | 08132024R.csv-005 | 08/13/24 08:04 |
| Cal Standard | S4H0009-CAL5 | 08132024R.csv-006 | 08/13/24 08:07 |
| Cal Standard | S4H0009-CAL6 | 08132024R.csv-007 | 08/13/24 08:10 |
| Cal Standard | S4H0009-CAL1 | 08132024R.csv-002 | 08/13/24 08:45 |
| Initial Cal Check | S4H0009-ICV1 | 08132024R.csv-009 | 08/13/24 09:05 |
| Initial Cal Blank | S4H0009-ICB1 | 08132024R.csv-010 | 08/13/24 09:11 |
| Interference Check A | S4H0009-IFA1 | 08132024R.csv-011 | 08/13/24 09:14 |
| Interference Check B | S4H0009-IFB1 | 08132024R.csv-012 | 08/13/24 09:17 |
| Calibration Check | S4H0009-CCV1 | 08132024R.csv-013 | 08/13/24 09:20 |
| Calibration Blank | S4H0009-CCB1 | 08132024R.csv-014 | 08/13/24 09:24 |
| Calibration Check | S4H0009-CCV2 | 08132024R.csv-036 | 08/13/24 11:21 |
| Calibration Blank | S4H0009-CCB2 | 08132024R.csv-037 | 08/13/24 11:27 |
| Calibration Check | S4H0009-CCV3 | 08132024R.csv-048 | 08/13/24 12:03 |
| Calibration Blank | S4H0009-CCB3 | 08132024R.csv-049 | 08/13/24 12:07 |
| Calibration Check | S4H0009-CCV4 | 08132024R.csv-060 | 08/13/24 12:42 |
| Calibration Blank | S4H0009-CCB4 | 08132024R.csv-061 | 08/13/24 12:45 |
| Calibration Check | S4H0009-CCV5 | 08132024R.csv-067 | 08/13/24 13:22 |
| Calibration Blank | S4H0009-CCB5 | 08132024R.csv-068 | 08/13/24 13:28 |
| Blank | B4H0212-BLK1 | 08132024R.csv-069 | 08/13/24 13:42 |
| LCS | B4H0212-BS1 | 08132024R.csv-070 | 08/13/24 13:45 |
| LCS Dup | B4H0212-BSD1 | 08132024R.csv-071 | 08/13/24 13:48 |
| Duplicate | B4H0212-DUP1 | 08132024R.csv-073 | 08/13/24 13:54 |
| Matrix Spike | B4H0212-MS1 | 08132024R.csv-074 | 08/13/24 13:58 |
| Matrix Spike Dup | B4H0212-MSD1 | 08132024R.csv-075 | 08/13/24 14:01 |
| Calibration Check | S4H0009-CCV6 | 08132024R.csv-079 | 08/13/24 14:14 |

# INJECTION LOG - ANALYSIS SEQUENCE SUMMARY

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | SDG: | BFG0235 |
| Client: | | Project: | 684735 |
| Sequence: | S4H0009 | Instrument: | OPTIMA8300 |
| Calibration: | 4H14001 | | |

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Calibration Blank | S4H0009-CCB6 | 08132024R.csv-080 | 08/13/24 14:17 |
| D1529-WC-A1A2 | BFG0235-01 | 08132024R.csv-087 | 08/13/24 14:40 |
| Calibration Check | S4H0009-CCV7 | 08132024R.csv-091 | 08/13/24 14:53 |
| Calibration Blank | S4H0009-CCB7 | 08132024R.csv-092 | 08/13/24 14:58 |
| Calibration Check | S4H0009-CCV8 | 08132024R.csv-097 | 08/13/24 15:14 |
| Calibration Blank | S4H0009-CCB8 | 08132024R.csv-098 | 08/13/24 15:18 |

# INITIAL CALIBRATION VERIFICATION

## EPA 6010B-STLC

**Laboratory:** AETL
**SDG:** BFG0235
**Client:**
**Project:** 684735
**Calibration:** 4H14001
**Laboratory ID:** S4H0009-ICV1
**Sequence:** S4H0009
**Standard ID:** BE42111

| ANALYTE | EXPECTED (mg/L) | FOUND (mg/L) | % DRIFT | QC LIMIT |
|---|---|---|---|---|
| Lead | 2.00 | 2.06 | 3.2 | 10.00 |

* Values outside of QC limits

# INITIAL AND CONTINUING CALIBRATION CHECK

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0235 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4H14001 |
| | | Sequence: | S4H0009 |

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---|---|---|---|---|---|---|
| S4H0009-ICV1 | Lead | 2.00 | 2.06 | 103 | mg/L | +/- 10.00% |
| S4H0009-CCV1 | Lead | 2.00 | 2.11 | 105 | mg/L | +/- 10.00% |
| S4H0009-CCV2 | Lead | 2.00 | 1.99 | 99.6 | mg/L | +/- 10.00% |
| S4H0009-CCV3 | Lead | 2.00 | 1.94 | 97.2 | mg/L | +/- 10.00% |
| S4H0009-CCV4 | Lead | 2.00 | 1.88 | 94.1 | mg/L | +/- 10.00% |
| S4H0009-CCV5 | Lead | 2.00 | 1.92 | 95.8 | mg/L | +/- 10.00% |
| S4H0009-CCV6 | Lead | 2.00 | 1.89 | 94.7 | mg/L | +/- 10.00% |
| S4H0009-CCV7 | Lead | 2.00 | 1.80 | 90.0 | mg/L | +/- 10.00% |
| S4H0009-CCV8 | Lead | 2.00 | 2.02 | 101 | mg/L | +/- 10.00% |

# Blank Results

## EPA 6010B-STLC

Laboratory: AETL
Work Order: BFG0235
Client:
Project: 684735

| Lab Sample ID | Analyte | Found | Units | RL |
|---|---|---|---|---|
| S4H0009-ICB1 | Lead | -0.0188 | mg/L | 0.0400 |
| S4H0009-CCB1 | Lead | 0.00593 | mg/L | 0.0400 |
| S4H0009-CCB2 | Lead | 0.00742 | mg/L | 0.0400 |
| S4H0009-CCB3 | Lead | 0.00816 | mg/L | 0.0400 |
| S4H0009-CCB4 | Lead | 0.000359 | mg/L | 0.0400 |
| S4H0009-CCB5 | Lead | -0.00348 | mg/L | 0.0400 |
| S4H0009-CCB6 | Lead | 0.00766 | mg/L | 0.0400 |
| S4H0009-CCB7 | Lead | 0.00951 | mg/L | 0.0400 |
| S4H0009-CCB8 | Lead | 0.00737 | mg/L | 0.0400 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0235 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4H14001 |
| Sequence: | S4H0009 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0009-IFA1 | Lead | 0.00 | -0.03622 | mg/L | -100 | ±20.00 % | 8/13/24 9:14 |

# INTERFERENCE CHECK SAMPLE

## EPA 6010B-STLC

| | | | |
|---|---|---|---|
| Laboratory: | AETL | Work Order: | BFG0235 |
| Client: | | Project: | 684735 |
| Instrument ID: | OPTIMA8300 | Calibration: | 4H14001 |
| Sequence: | S4H0009 | | |

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0009-IFB1 | Lead | 0.500 | 0.57309 | mg/L | 15 | ±20.00 % | 8/13/24 9:17 |

# Report Prepared For:

## Parsons

# Client Project Description:

E1077 - 3067 E 60th PL, Huntington Park, CA 90255

# ATL Work Order: 2401218

Date of Preparation: 08-16-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401218


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August 16, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401218

Client Reference : E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Enclosed are the results for sample(s) received on July 19, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/16/24 09:19 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/16/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| E1077-WC-A1A2 | 2401218-01 | Soil | 7/19/24 11:25 | 7/19/24 14:22 |
| E1077-WC-A1A2A3 | 2401218-02 | Soil | 7/19/24 11:27 | 7/19/24 14:22 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/16/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on July 19th, 2024 at 14:22. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| Q2 | Analyte is high biased on QC. Sample result/s was non-detect (ND); therefore reanalysis was not necessary. |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| B18 | Associated method blank above MDL, but below half of the PQL value. Therefore, reanalysis is not necessary. |
| B16 | Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| B14 | Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary. |
| B13 | Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| B | Analyte detected in the associated method blank above the PQL. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## TCLP Metals by ICP-AES EPA 6010B

**Analyte: Lead** **Analyst: KK2**

| Laboratory ID | Client Sample ID | Result | Units | PQL | MDL | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 2401218-02 | E1077-WC-A1A 2A3 | **0.055** | mg/L | 0.10 | 0.020 | 5 | B4H0605 | 08/12/2024 | 08/14/24 17:39 | J |

## STLC Metals by ICP-AES by EPA 6010B

**Analyte: Lead** **Analyst: KK2**

| Laboratory ID | Client Sample ID | Result | Units | PQL | MDL | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 2401218-01 | E1077-WC-A1A 2 | **3.5** | mg/L | 0.10 | 0.020 | 5 | B4H0616 | 08/12/2024 | 08/14/24 20:03 | |
| 2401218-02 | E1077-WC-A1A 2A3 | **3.4** | mg/L | 0.10 | 0.020 | 5 | B4H0616 | 08/12/2024 | 08/14/24 20:05 | |

**Client Sample ID: E1077-WC-A1A2**

**Lab ID: 2401218-01**

## Total Metals by ICP-AES EPA 6010B

**Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.8** | 2.0 | 0.77 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | |
| **Arsenic** | **4.4** | 2.0 | 0.71 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | |
| **Cadmium** | **1.7** | 1.0 | 0.06 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | |
| **Copper** | **30** | 1.0 | 0.22 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | B |
| **Lead** | **99** | 1.0 | 0.18 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | |
| **Zinc** | **240** | 2.0 | 0.30 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/16/2024 |

**Client Sample ID: E1077-WC-A1A2A3**

**Lab ID: 2401218-02**

**Total Metals by ICP-AES EPA 6010B** **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.3** | 2.0 | 0.77 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | |
| **Arsenic** | **6.0** | 2.0 | 0.71 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | |
| **Cadmium** | **1.7** | 1.0 | 0.06 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | |
| **Copper** | **31** | 1.0 | 0.22 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | B |
| **Lead** | **110** | 1.0 | 0.18 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | |
| **Zinc** | **210** | 2.0 | 0.30 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0840 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4G0840-BLK1)** | | | | | | Prepared: 7/19/2024 Analyzed: 7/25/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | 0.271355 | 1.0 | 0.22 | | | | | | | B18, J |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4G0840-BS1)** | | | | | | Prepared: 7/19/2024 Analyzed: 7/25/2024 | | | | |
| Antimony | 24.3626 | 2.0 | 0.77 | 25.0000 | | 97.5 | 80 - 120 | | | |
| Arsenic | 25.0212 | 2.0 | 0.71 | 25.0000 | | 100 | 80 - 120 | | | |
| Cadmium | 23.5386 | 1.0 | 0.06 | 25.0000 | | 94.2 | 80 - 120 | | | |
| Copper | 23.6842 | 1.0 | 0.22 | 25.0000 | | 94.7 | 80 - 120 | | | B |
| Lead | 24.5746 | 1.0 | 0.18 | 25.0000 | | 98.3 | 80 - 120 | | | |
| Zinc | 24.9992 | 2.0 | 0.30 | 25.0000 | | 100 | 80 - 120 | | | |
| **Matrix Spike (B4G0840-MS1)** | | | **Source: 2401219-01** | | | Prepared: 7/19/2024 Analyzed: 7/25/2024 | | | | |
| Antimony | 24.9861 | 2.0 | 0.77 | 25.0000 | 3.07466 | 87.6 | 75 - 125 | | | |
| Arsenic | 24.7286 | 2.0 | 0.71 | 25.0000 | 2.20375 | 90.1 | 75 - 125 | | | |
| Cadmium | 24.4750 | 1.0 | 0.06 | 25.0000 | 0.979286 | 94.0 | 75 - 125 | | | |
| Copper | 42.9445 | 1.0 | 0.22 | 25.0000 | 18.5063 | 97.8 | 75 - 125 | | | B |
| Lead | 208.110 | 1.0 | 0.18 | 25.0000 | 175.119 | 132 | 75 - 125 | | | M2 |
| Zinc | 185.260 | 2.0 | 0.30 | 25.0000 | 151.141 | 136 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4G0840-MSD1)** | | | **Source: 2401219-01** | | | Prepared: 7/19/2024 Analyzed: 7/25/2024 | | | | |
| Antimony | 24.6405 | 2.0 | 0.77 | 25.0000 | 3.07466 | 86.3 | 75 - 125 | 1.39 | 20 | |
| Arsenic | 24.6496 | 2.0 | 0.71 | 25.0000 | 2.20375 | 89.8 | 75 - 125 | 0.320 | 20 | |
| Cadmium | 24.6696 | 1.0 | 0.06 | 25.0000 | 0.979286 | 94.8 | 75 - 125 | 0.792 | 20 | |
| Copper | 42.3674 | 1.0 | 0.22 | 25.0000 | 18.5063 | 95.4 | 75 - 125 | 1.35 | 20 | B |
| Lead | 210.803 | 1.0 | 0.18 | 25.0000 | 175.119 | 143 | 75 - 125 | 1.29 | 20 | M2 |
| Zinc | 185.670 | 2.0 | 0.30 | 25.0000 | 151.141 | 138 | 75 - 125 | 0.221 | 20 | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0840 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4G0840-PS1)** | | | **Source: 2401219-01** | | Prepared: 7/19/2024 Analyzed: 7/25/2024 | | | | |
| Antimony | 0.452335 | | 0.500000 | 0.061493 | 78.2 | 75 - 125 | | | |
| Arsenic | 0.480897 | | 0.500000 | 0.044075 | 87.4 | 75 - 125 | | | |
| Cadmium | 0.480079 | | 0.500000 | 0.019586 | 92.1 | 75 - 125 | | | |
| Copper | 0.831638 | | 0.500000 | 0.370126 | 92.3 | 75 - 125 | | | B |
| Lead | 5.93600 | | 0.500000 | 3.50238 | 487 | 75 - 125 | | | M2 |
| Zinc | 3.44607 | | 0.500000 | 3.02283 | 84.6 | 75 - 125 | | | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## TCLP Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4H0605 - EPA 3010A_TCLP_S** | | | | | | | | | | |
| **Blank (B4H0605-BLK1)** | | | | | | Prepared: 8/12/2024 Analyzed: 8/14/2024 | | | | |
| Lead | ND | 0.10 | 0.020 | | | | | | | U |
| **LCS (B4H0605-BS1)** | | | | | | Prepared: 8/12/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 0.530860 | 0.10 | 0.020 | 0.500000 | | 106 | 80 - 120 | | | |
| **Matrix Spike (B4H0605-MS1)** | | | **Source: 2400900-01** | | | Prepared: 8/12/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 0.499793 | 0.10 | 0.020 | 0.500000 | 0.030186 | 93.9 | 75 - 125 | | | |
| **Matrix Spike Dup (B4H0605-MSD1)** | | | **Source: 2400900-01** | | | Prepared: 8/12/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 0.493574 | 0.10 | 0.020 | 0.500000 | 0.030186 | 92.7 | 75 - 125 | 1.25 | 20 | |
| **Post Spike (B4H0605-PS1)** | | | **Source: 2400900-01** | | | Prepared: 8/12/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 0.531761 | | | 0.500000 | 0.030186 | 100 | 75 - 125 | | | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## STLC Metals by ICP-AES by EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4H0616 - STLC_S Extraction** | | | | | | | | | | |
| **Blank (B4H0616-BLK1)** | | | | | | Prepared: 8/12/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 0.047043 | 0.10 | 0.020 | | | | | | | B18, J |
| **LCS (B4H0616-BS1)** | | | | | | Prepared: 8/12/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 0.558682 | 0.10 | 0.020 | 0.500000 | | 112 | 80 - 120 | | | |
| **Matrix Spike (B4H0616-MS1)** | | | **Source: 2401209-02** | | | Prepared: 8/12/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 5.06508 | 0.10 | 0.020 | 0.500000 | 4.53194 | 107 | 75 - 125 | | | |
| **Matrix Spike Dup (B4H0616-MSD1)** | | | **Source: 2401209-02** | | | Prepared: 8/12/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 4.99975 | 0.10 | 0.020 | 0.500000 | 4.53194 | 93.6 | 75 - 125 | 1.30 | 20 | |
| **Post Spike (B4H0616-PS1)** | | | **Source: 2401209-02** | | | Prepared: 8/12/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 4.93610 | | | 0.500000 | 4.53194 | 80.8 | 75 - 125 | | | |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 240118

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐3SO ☐Other:

Sample Conditions Upon Receipt

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | |
|---|---|---|---|---|
| Company: **Parsons** | Address: 100 W. Walnut Street | | | Tel: |
| | City: Pasadena | State: CA | Zip: 91124 | Fax: |

| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO |
|---|---|
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: Email: |
| Company: Parsons | Company: |
| Address: 100 W. Walnut Street | Address: |
| City: Pasadena State: CA Zip: 91124 | City: State: Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

| | | |
|---|---|---|
| Project Name: DTSC Exide Residential | Quote #: | |
| Site Address: 3067 E 60th Pl, Huntington Park, CA 90255 | Site ID: E1077 | |
| Project No.: 684735 | PO #: | |
| Sampler: Joshua Cottingham | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1-Tube; 2-VOA; 3-Liter; 4-Pint; 5-Jar; 6-Tedlar; 7-Canister | Material: 1-Glass; 2-Plastic; 3-Metal | Preservative: 1-HCl; 2-HNO3; 3-H2SO4; 4-DI; 5-NaOH; 6-ZnAc2+NaOH; 7-NaAsO2 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | E1077-WC-A1A2 | E1077-WC | 7/19/2024 | 1125 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | E1077-WC-A1A2A3 | E1077-WC | 7/19/2024 | 1127 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| [signature] | 7-19-24 | 1400 | [signature] | 7/19/24 | 1400 |
| [signature] | 7/19/24 | 1422 | [signature] | 7/19/24 | 1422 |
| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Monday, August 5, 2024 11:59 AM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

**Follow Up Flag:** Follow up
**Flag Status:** Flagged

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. B0776-WC-A1A2 (LAB REPORT 2401209): STLC and TCLP for lead
2. B0776-WC-A1A2A3 (LAB REPORT 2401209): STLC and TCLP for lead
3. B1056-WC-A1A2 (LAB REPORT 2401207): STLC and TCLP for lead
4. B1056-WC-A1A2A3 (LAB REPORT 2401207): STLC and TCLP for lead
5. B0856-WC-A1A2 (LAB REPORT 2401211): STLC and TCLP for lead
6. B0856-WC-A1A2A3 (LAB REPORT 2401211): STLC and TCLP for lead
7. E1077-WC-A1A2 (LAB REPORT 2401218): STLC for lead
8. E1077-WC-A1A2A3 (LAB REPORT 2401218): STLC and TCLP for lead
9. D1444-WC-A1A2 (LAB REPORT 2401220): STLC and TCLP for lead
10. D1444-WC-A1A2A3 (LAB REPORT 2401220): STLC and TCLP for lead
11. B0780-WC-A1A2 (LAB REPORT 2401227): STLC and TCLP for lead
12. B0780-WC-A1A2A3 (LAB REPORT 2401227): STLC and TCLP for lead
13. D1338-WC-A1A2 (LAB REPORT 2401225): STLC and TCLP for lead
14. D1338-WC-A1A2A3 (LAB REPORT 2401225): STLC and TCLP for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# Sample Receiving Documents

# Sample Receipt Confirmation

## Work Order # 2401218

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **E1077 - 3067 E 60th PL, Huntington Park, CA 90255** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 08/12/2024 20:00 | Received in Lab: | 07/19/2024 14:22 |
| Received By: | Thoai Trinh | Method of Delivery: | ATL Courier |
| Logged In By: | Thoai Trinh | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401218-01 E1077-WC-A1A2 [Soil] Sampled 07/19/2024 11:25** | | | |
| 6010_STLC Ver: Pb | 08/12/2024 20:00 | 01/15/2025 00:00 | |
| 6010_Exide_6 Metals Ver: NONE | 08/12/2024 20:00 | 01/15/2025 00:00 | 1 |
| **2401218-02 E1077-WC-A1A2A3 [Soil] Sampled 07/19/2024 11:27** | | | |
| 6010_TCLP Ver: Pb | 08/12/2024 20:00 | 01/15/2025 00:00 | |
| 6010_STLC Ver: Pb | 08/12/2024 20:00 | 01/15/2025 00:00 | |
| 6010_Exide_6 Metals Ver: NONE | 08/12/2024 20:00 | 01/15/2025 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401218

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **E1077 - 3067 E 60th PL, Huntington Park, CA 90255** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 18. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| E1077-WC-A1A2 | 2401218-01 |
| E1077-WC-A1A2A3 | 2401218-02 |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil | Laboratory ID: 2401218-01 | Laboratory ID: E1077-WC-A1A2

Sampled: 07/19/24 11:25 | Prepared: 07/19/24 17:35 | Analyzed: 07/25/24 14:37

Batch: B4G0840 | Sequence: S4G0672 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.8 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 4.4 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 1.7 | 0.06 | 1.0 | 1 | |
| 7440-50-8 | Copper | 30 | 0.22 | 1.0 | 1 | B |
| 7439-92-1 | Lead | 99 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 240 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil | Laboratory ID: 2401218-02 | Laboratory ID: E1077-WC-A1A2A3

Sampled: 07/19/24 11:27 | Prepared: 07/19/24 17:35 | Analyzed: 07/25/24 14:39

Batch: B4G0840 | Sequence: S4G0672 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.3 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 6.0 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 1.7 | 0.06 | 1.0 | 1 | |
| 7440-50-8 | Copper | 31 | 0.22 | 1.0 | 1 | B |
| 7439-92-1 | Lead | 110 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 210 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401218 |
| Client: | Parsons | Project: | E1077 - 3067 E 60th PL, Huntington Park, CA 9( |
| Batch: | B4G0840 Batch Matrix: Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| E1077-WC-A1A2 | 2401218-01 | 07/19/24 17:35 | 1.00 | 50 |
| E1077-WC-A1A2A3 | 2401218-02 | 07/19/24 17:35 | 1.00 | 50 |
| Blank | B4G0840-BLK1 | 07/19/24 17:42 | 1.00 | 50 |
| LCS | B4G0840-BS1 | 07/19/24 17:42 | 1.00 | 50 |
| Matrix Spike | B4G0840-MS1 | 07/19/24 17:42 | 1.00 | 50 |
| Matrix Spike Dup | B4G0840-MSD1 | 07/19/24 17:42 | 1.00 | 50 |
| Dilution Check | B4G0840-SRL1 | 07/19/24 17:42 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0840

**Extraction Method:** EPA 3050B_S

**Analysis Method:** EPA 6010B

**Batch Start Date:** 07/22/2024 12:30 **Batch Analyst:** DL2

**Batch End Date:** 07/22/2024 14:45

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401218-01 | E1077-WC-A1A2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401218-02 | E1077-WC-A1A2A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0840-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0840-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0840-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401219-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0840-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401219-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0840-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2401219-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4F0571 | 1:1 Nitric Acid | NA |
| A4G0395 | Hydrogen Peroxide | K54376509 |
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |
| A4G0398 | Concentrated Nitric Acid | 240238 |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Thermometer ID | MPTHERM 09 | 935128 |
| Pipette | MPP01 | 22E77439 |
| Digestion Unit | DB01 | 4507CEC2139 |
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Dispenser ID | MPDISP01 | 04K58398 |
| Dispenser ID | MPDISP02 | 347844 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0840

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0840-BLK1 | Antimony | 0.073166 | 0.77 | 2.0 | 07/25/24 14:20 | U | EPA 6010B |
| | Arsenic | 0.409308 | 0.71 | 2.0 | 07/25/24 14:20 | U | EPA 6010B |
| | Cadmium | -0.191799 | 0.06 | 1.0 | 07/25/24 14:20 | U | EPA 6010B |
| | Copper | 0.271355 | 0.22 | 1.0 | 07/25/24 14:20 | 318, | EPA 6010B |
| | Lead | -0.255502 | 0.18 | 1.0 | 07/25/24 14:20 | U | EPA 6010B |
| | Zinc | -0.067600 | 0.30 | 2.0 | 07/25/24 14:20 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0840
Concentration Units: mg/kg

Laboratory ID: B4G0840-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 24.3626 | 25.0000 | 97.5 | | 80 - 120 |
| Arsenic | 25.0212 | 25.0000 | 100 | | 80 - 120 |
| Cadmium | 23.5386 | 25.0000 | 94.2 | | 80 - 120 |
| Copper | 23.6842 | 25.0000 | 94.7 | B | 80 - 120 |
| Lead | 24.5746 | 25.0000 | 98.3 | | 80 - 120 |
| Zinc | 24.9992 | 25.0000 | 100 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0840
Concentration Units: mg/kg
Source Sample Name: **2401219-01**

Laboratory ID: B4G0840-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Antimony | 3.07466 | 24.9861 | 25.0000 | 87.6 | | 75 - 125 |
| Arsenic | 2.20375 | 24.7286 | 25.0000 | 90.1 | | 75 - 125 |
| Cadmium | 0.979286 | 24.4750 | 25.0000 | 94.0 | | 75 - 125 |
| Copper | 18.5063 | 42.9445 | 25.0000 | 97.8 | B | 75 - 125 |
| Lead | 175.119 | 208.110 | 25.0000 | 132 | M2 | 75 - 125 |
| Zinc | 151.141 | 185.260 | 25.0000 | 136 | M2 | 75 - 125 |

Laboratory ID: B4G0840-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS % RPD | CONTROL LIMITS % R |
|---|---|---|---|---|---|---|---|
| Antimony | 24.6405 | 86.3 | 1.39 | 25.0000 | | 20 | 75 - 125 |
| Arsenic | 24.6496 | 89.8 | 0.320 | 25.0000 | | 20 | 75 - 125 |
| Cadmium | 24.6696 | 94.8 | 0.792 | 25.0000 | | 20 | 75 - 125 |
| Copper | 42.3674 | 95.4 | 1.35 | 25.0000 | B | 20 | 75 - 125 |
| Lead | 210.803 | 143 | 1.29 | 25.0000 | M2 | 20 | 75 - 125 |
| Zinc | 185.670 | 138 | 0.221 | 25.0000 | M2 | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0840

Concentration Units: mg/L

Source Sample Name: **2401219-01**

Laboratory ID: B4G0840-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0840-PS1 | | | | | | |
| Antimony | 0.061493 | 0.452335 | 0.500000 | 78.2 | | 75 - 125 |
| Arsenic | 0.044075 | 0.480897 | 0.500000 | 87.4 | | 75 - 125 |
| Cadmium | 0.019586 | 0.480079 | 0.500000 | 92.1 | | 75 - 125 |
| Copper | 0.370126 | 0.831638 | 0.500000 | 92.3 | B | 75 - 125 |
| Lead | 3.50238 | 5.93600 | 0.500000 | 487 | M2 | 75 - 125 |
| Zinc | 3.02283 | 3.44607 | 0.500000 | 84.6 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Sequence: S4G0672

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0672-IBL1 | 240725-02 RR-001 | 07/25/24 12:14 |
| Cal Standard | S4G0672-CAL1 | 240725-02 RR-002 | 07/25/24 12:17 |
| Cal Standard | S4G0672-CAL2 | 240725-02 RR-003 | 07/25/24 12:19 |
| Cal Standard | S4G0672-CAL3 | 240725-02 RR-004 | 07/25/24 12:21 |
| Cal Standard | S4G0672-CAL4 | 240725-02 RR-005 | 07/25/24 12:24 |
| Cal Standard | S4G0672-CAL5 | 240725-02 RR-006 | 07/25/24 12:26 |
| Cal Standard | S4G0672-CAL6 | 240725-02 RR-007 | 07/25/24 12:28 |
| Cal Standard | S4G0672-CAL7 | 240725-02 RR-008 | 07/25/24 12:30 |
| Initial Cal Check | S4G0672-ICV1 | 240725-02 RR-009 | 07/25/24 12:37 |
| Initial Cal Blank | S4G0672-ICB1 | 240725-02 RR-010 | 07/25/24 12:39 |
| Interference Check A | S4G0672-IFA1 | 240725-02 RR-012 | 07/25/24 12:48 |
| Interference Check B | S4G0672-IFB1 | 240725-02 RR-013 | 07/25/24 12:50 |
| Calibration Check | S4G0672-CCV2 | 240725-02 RR-026 | 07/25/24 14:02 |
| Calibration Blank | S4G0672-CCB2 | 240725-02 RR-027 | 07/25/24 14:04 |
| Blank | B4G0840-BLK1 | 240725-02 RR-035 | 07/25/24 14:20 |
| LCS | B4G0840-BS1 | 240725-02 RR-036 | 07/25/24 14:22 |
| Matrix Spike | B4G0840-MS1 | 240725-02 RR-037 | 07/25/24 14:24 |
| Calibration Check | S4G0672-CCV3 | 240725-02 RR-038 | 07/25/24 14:26 |
| Calibration Blank | S4G0672-CCB3 | 240725-02 RR-039 | 07/25/24 14:28 |
| Matrix Spike Dup | B4G0840-MSD1 | 240725-02 RR-040 | 07/25/24 14:30 |
| Post Spike | B4G0840-PS1 | 240725-02 RR-041 | 07/25/24 14:32 |
| Dilution Check | B4G0840-SRL1 | 240725-02 RR-042 | 07/25/24 14:34 |
| E1077-WC-A1A2 | 2401218-01 | 240725-02 RR-043 | 07/25/24 14:37 |
| E1077-WC-A1A2A3 | 2401218-02 | 240725-02 RR-044 | 07/25/24 14:39 |
| Calibration Check | S4G0672-CCV4 | 240725-02 RR-050 | 07/25/24 14:50 |
| Calibration Blank | S4G0672-CCB4 | 240725-02 RR-051 | 07/25/24 14:52 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0493

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0672-ICV1 | Antimony | 0.500000 | 0.494062 | 98.8 | 07/25/24 12:37 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.511460 | 102 | 07/25/24 12:37 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.502564 | 101 | 07/25/24 12:37 | +/- 10.00% |
| | Copper | 0.500000 | 0.501532 | 100 | 07/25/24 12:37 | +/- 10.00% |
| | Lead | 0.500000 | 0.538017 | 108 | 07/25/24 12:37 | +/- 10.00% |
| | Zinc | 0.500000 | 0.529773 | 106 | 07/25/24 12:37 | +/- 10.00% |
| S4G0672-CCV2 | Antimony | 2.00000 | 1.98929 | 99.5 | 07/25/24 14:02 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.98863 | 99.4 | 07/25/24 14:02 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.01761 | 101 | 07/25/24 14:02 | +/- 10.00% |
| | Copper | 2.00000 | 1.95149 | 97.6 | 07/25/24 14:02 | +/- 10.00% |
| | Lead | 2.00000 | 1.96741 | 98.4 | 07/25/24 14:02 | +/- 10.00% |
| | Zinc | 2.00000 | 2.03468 | 102 | 07/25/24 14:02 | +/- 10.00% |
| S4G0672-CCV3 | Antimony | 2.00000 | 1.95483 | 97.7 | 07/25/24 14:26 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.00746 | 100 | 07/25/24 14:26 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.00805 | 100 | 07/25/24 14:26 | +/- 10.00% |
| | Copper | 2.00000 | 1.95617 | 97.8 | 07/25/24 14:26 | +/- 10.00% |
| | Lead | 2.00000 | 1.94883 | 97.4 | 07/25/24 14:26 | +/- 10.00% |
| | Zinc | 2.00000 | 2.02433 | 101 | 07/25/24 14:26 | +/- 10.00% |
| S4G0672-CCV4 | Antimony | 2.00000 | 1.98197 | 99.1 | 07/25/24 14:50 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.02115 | 101 | 07/25/24 14:50 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.02801 | 101 | 07/25/24 14:50 | +/- 10.00% |
| | Copper | 2.00000 | 1.95334 | 97.7 | 07/25/24 14:50 | +/- 10.00% |
| | Lead | 2.00000 | 1.95727 | 97.9 | 07/25/24 14:50 | +/- 10.00% |
| | Zinc | 2.00000 | 2.04599 | 102 | 07/25/24 14:50 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0672

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0672-ICB1 | Antimony | 0.008406 | 0.02 | 0.04 | 07/25/24 12:39 | | EPA 6010B |
| | Arsenic | 0.003224 | 0.01 | 0.04 | 07/25/24 12:39 | | EPA 6010B |
| | Cadmium | -0.002294 | 0.001 | 0.02 | 07/25/24 12:39 | U | EPA 6010B |
| | Copper | 0.004593 | 0.004 | 0.02 | 07/25/24 12:39 | B16 | EPA 6010B |
| | Lead | 0.000058 | 0.004 | 0.02 | 07/25/24 12:39 | | EPA 6010B |
| | Zinc | -0.009617 | 0.006 | 0.04 | 07/25/24 12:39 | U | EPA 6010B |
| S4G0672-CCB2 | Antimony | 0.010976 | 0.02 | 0.04 | 07/25/24 14:04 | | EPA 6010B |
| | Arsenic | 0.000421 | 0.01 | 0.04 | 07/25/24 14:04 | | EPA 6010B |
| | Cadmium | -0.003258 | 0.001 | 0.02 | 07/25/24 14:04 | U | EPA 6010B |
| | Copper | 0.004808 | 0.004 | 0.02 | 07/25/24 14:04 | B13 | EPA 6010B |
| | Lead | -6.6367E-3 | 0.004 | 0.02 | 07/25/24 14:04 | U | EPA 6010B |
| | Zinc | -0.007444 | 0.006 | 0.04 | 07/25/24 14:04 | U | EPA 6010B |
| S4G0672-CCB3 | Antimony | 0.010314 | 0.02 | 0.04 | 07/25/24 14:28 | | EPA 6010B |
| | Arsenic | 0.004090 | 0.01 | 0.04 | 07/25/24 14:28 | | EPA 6010B |
| | Cadmium | -3.4916E-3 | 0.001 | 0.02 | 07/25/24 14:28 | U | EPA 6010B |
| | Copper | 0.005509 | 0.004 | 0.02 | 07/25/24 14:28 | B13 | EPA 6010B |
| | Lead | -0.003346 | 0.004 | 0.02 | 07/25/24 14:28 | U | EPA 6010B |
| | Zinc | -0.006834 | 0.006 | 0.04 | 07/25/24 14:28 | U | EPA 6010B |
| S4G0672-CCB4 | Antimony | 8.4037E-3 | 0.02 | 0.04 | 07/25/24 14:52 | | EPA 6010B |
| | Arsenic | 0.006165 | 0.01 | 0.04 | 07/25/24 14:52 | | EPA 6010B |
| | Cadmium | -0.003893 | 0.001 | 0.02 | 07/25/24 14:52 | U | EPA 6010B |
| | Copper | 0.005666 | 0.004 | 0.02 | 07/25/24 14:52 | B13 | EPA 6010B |
| | Lead | -0.009089 | 0.004 | 0.02 | 07/25/24 14:52 | U | EPA 6010B |
| | Zinc | -0.004154 | 0.006 | 0.04 | 07/25/24 14:52 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0672-IFA1 | Antimony | | 0.02726 | mg/L | | <0.04 | 7/25/24 12:48 |
| | Arsenic | | 0.00816 | mg/L | | <0.04 | 7/25/24 12:48 |
| | Cadmium | | 0.00264 | mg/L | | <0.02 | 7/25/24 12:48 |
| | Copper | | -0.00101 | mg/L | | <0.02 | 7/25/24 12:48 |
| | Lead | | -0.04593 | mg/L | | <0.02 | 7/25/24 12:48 |
| | Zinc | | -0.01052 | mg/L | | <0.04 | 7/25/24 12:48 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0672-IFB1 | Antimony | 0.500000 | 0.54070 | mg/L | -8 | ±20.00 % | 7/25/24 12:50 |
| | Arsenic | 0.500000 | 0.46802 | mg/L | 6 | ±20.00 % | 7/25/24 12:50 |
| | Cadmium | 0.500000 | 0.49470 | mg/L | 1 | ±20.00 % | 7/25/24 12:50 |
| | Copper | 0.500000 | 0.52653 | mg/L | -5 | ±20.00 % | 7/25/24 12:50 |
| | Lead | 0.500000 | 0.43719 | mg/L | 13 | ±20.00 % | 7/25/24 12:50 |
| | Zinc | 0.500000 | 0.47723 | mg/L | 5 | ±20.00 % | 7/25/24 12:50 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** E1077 - 3067 E 60th PL, Huntington Park, CA 90255

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Sample Data

# ANALYSIS DATA SHEET
# WET/EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil | Laboratory ID: 2401218-01 | Laboratory ID: E1077-WC-A1A2

Sampled: 07/19/24 11:25 | Prepared: 08/12/24 12:12 | Analyzed: 08/14/24 20:03

Batch: B4H0616 | Sequence: S4H0472 | Instrument: ICP-16

Preparation: STLC_S Extraction | Method: WET/EPA 6010B | Concentration Units: mg/L

Leach Batch: B4H0536 | Leach Method: STLC_S Extraction

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3.5 | 0.020 | 0.10 | 5 | |

# ANALYSIS DATA SHEET
# WET/EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil | Laboratory ID: 2401218-02 | Laboratory ID: E1077-WC-A1A2A3

Sampled: 07/19/24 11:27 | Prepared: 08/12/24 12:12 | Analyzed: 08/14/24 20:05

Batch: B4H0616 | Sequence: S4H0472 | Instrument: ICP-16

Preparation: STLC_S Extraction | Method: WET/EPA 6010B | Concentration Units: mg/L

Leach Batch: B4H0536 | Leach Method: STLC_S Extraction

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 3.4 | 0.020 | 0.10 | 5 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | | | Work Order: | 2401218 |
| Client: | Parsons | | | Project: | E1077 - 3067 E 60th PL, Huntington Park, CA 9( |
| Batch: | B4H0616 | Batch Matrix: | Soil | Preparation: | STLC_S Extraction |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| E1077-WC-A1A2 | 2401218-01 | 08/12/24 12:12 | 25.00 | 25 |
| E1077-WC-A1A2A3 | 2401218-02 | 08/12/24 12:12 | 25.00 | 25 |
| Blank | B4H0616-BLK1 | 08/12/24 12:12 | 25.00 | 25 |
| LCS | B4H0616-BS1 | 08/12/24 12:12 | 25.00 | 25 |
| Matrix Spike | B4H0616-MS1 | 08/12/24 12:12 | 25.00 | 25 |
| Matrix Spike Dup | B4H0616-MSD1 | 08/12/24 12:12 | 25.00 | 25 |
| Dilution Check | B4H0616-SRL1 | 08/12/24 12:12 | 25.00 | 25 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4H0616

**Extraction Method:** STLC_S Extraction

**Batch Start Date:**

**Batch Analyst:** CH

**Analysis Method:** WET/EPA 6010B

**Batch End Date:**

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401218-01 | E1077-WC-A1A2 | 25.00 | 25.00 | | | | | | | | |
| 2401218-02 | E1077-WC-A1A2A3 | 25.00 | 25.00 | | | | | | | | |
| B4H0616-BLK1 | Blank | 25.00 | 25.00 | | | | | | | | |
| B4H0616-BS1 | LCS | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | | | | | | |
| B4H0616-MS1 | Matrix Spike | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401209-02 | | | | | |
| B4H0616-MSD1 | Matrix Spike Dup | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401209-02 | | | | | |
| B4H0616-SRL1 | Dilution Check | 25.00 | 25.00 | | | 2401209-02 | | | | | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|

# METHOD BLANK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0616

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4H0616-BLK1 | Lead | 0.047043 | 0.020 | 0.10 | 08/14/24 19:25 | 318, | WET/EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0616
Concentration Units: mg/L

Laboratory ID: B4H0616-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Lead | 0.558682 | 0.500000 | 112 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0616
Concentration Units: mg/L
Source Sample Name: **2401209-02**

Laboratory ID: B4H0616-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Lead | 4.53194 | 5.06508 | 0.500000 | 107 | | 75 - 125 |

Laboratory ID: B4H0616-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Lead | 4.99975 | 93.6 | 1.30 | 0.500000 | | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0616

Concentration Units: mg/L

Source Sample Name: **2401209-02**

Laboratory ID: B4H0616-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4H0616-PS1 | | | | | | |
| Lead | 4.53194 | 4.93610 | 0.500000 | 80.8 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Sequence: S4H0472

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0472-IBL1 | 240814-01 RR-001 | 08/14/24 10:53 |
| Cal Standard | S4H0472-CAL1 | 240814-01 RR-002 | 08/14/24 10:56 |
| Cal Standard | S4H0472-CAL2 | 240814-01 RR-003 | 08/14/24 10:58 |
| Cal Standard | S4H0472-CAL3 | 240814-01 RR-004 | 08/14/24 11:00 |
| Cal Standard | S4H0472-CAL4 | 240814-01 RR-005 | 08/14/24 11:03 |
| Cal Standard | S4H0472-CAL5 | 240814-01 RR-006 | 08/14/24 11:05 |
| Cal Standard | S4H0472-CAL6 | 240814-01 RR-007 | 08/14/24 11:07 |
| Cal Standard | S4H0472-CAL7 | 240814-01 RR-008 | 08/14/24 11:09 |
| Initial Cal Check | S4H0472-ICV1 | 240814-01 RR-009 | 08/14/24 11:20 |
| Initial Cal Blank | S4H0472-ICB1 | 240814-01 RR-010 | 08/14/24 11:22 |
| Interference Check A | S4H0472-IFA1 | 240814-01 RR-012 | 08/14/24 11:28 |
| Interference Check B | S4H0472-IFB1 | 240814-01 RR-013 | 08/14/24 11:30 |
| Calibration Check | S4H0472-CCV1 | 240814-01 RR-014 | 08/14/24 11:38 |
| Calibration Blank | S4H0472-CCB1 | 240814-01 RR-015 | 08/14/24 11:40 |
| Calibration Check | S4H0472-CCVE | 240814-01 RR-206 | 08/14/24 18:58 |
| Calibration Blank | S4H0472-CCBE | 240814-01 RR-207 | 08/14/24 19:00 |
| Blank | B4H0616-BLK1 | 240814-01 RR-217 | 08/14/24 19:25 |
| Calibration Check | S4H0472-CCVF | 240814-01 RR-218 | 08/14/24 19:27 |
| Calibration Blank | S4H0472-CCBF | 240814-01 RR-219 | 08/14/24 19:29 |
| LCS | B4H0616-BS1 | 240814-01 RR-220 | 08/14/24 19:32 |
| Matrix Spike | B4H0616-MS1 | 240814-01 RR-221 | 08/14/24 19:34 |
| Matrix Spike Dup | B4H0616-MSD1 | 240814-01 RR-222 | 08/14/24 19:36 |
| Post Spike | B4H0616-PS1 | 240814-01 RR-223 | 08/14/24 19:39 |
| Dilution Check | B4H0616-SRL1 | 240814-01 RR-224 | 08/14/24 19:41 |
| Calibration Check | S4H0472-CCVG | 240814-01 RR-230 | 08/14/24 19:56 |
| Calibration Blank | S4H0472-CCBG | 240814-01 RR-231 | 08/14/24 19:58 |
| E1077-WC-A1A2 | 2401218-01 | 240814-01 RR-233 | 08/14/24 20:03 |
| E1077-WC-A1A2A3 | 2401218-02 | 240814-01 RR-234 | 08/14/24 20:05 |
| Calibration Check | S4H0472-CCVH | 240814-01 RR-241 | 08/14/24 20:29 |
| Calibration Blank | S4H0472-CCBH | 240814-01 RR-242 | 08/14/24 20:32 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0472
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0472-ICV1 | Lead | 0.500000 | 0.527184 | 105 | 08/14/24 11:20 | +/- 10.00% |
| S4H0472-CCV1 | Lead | 2.00000 | 1.98890 | 99.4 | 08/14/24 11:38 | +/- 10.00% |
| S4H0472-CCVE | Lead | 2.00000 | 1.86477 | 93.2 | 08/14/24 18:58 | +/- 10.00% |
| S4H0472-CCVF | Lead | 2.00000 | 1.83229 | 91.6 | 08/14/24 19:27 | +/- 10.00% |
| S4H0472-CCVG | Lead | 2.00000 | 1.83335 | 91.7 | 08/14/24 19:56 | +/- 10.00% |
| S4H0472-CCVH | Lead | 2.00000 | 1.97728 | 98.9 | 08/14/24 20:29 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0472

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0472-ICB1 | Lead | 0.007855 | 0.0041 | 0.020 | 08/14/24 11:22 | 16, Q | WET/EPA 6010B |
| S4H0472-CCB1 | Lead | 0.008591 | 0.0041 | 0.020 | 08/14/24 11:40 | 3, B | WET/EPA 6010B |
| S4H0472-CCBE | Lead | 0.000694 | 0.0041 | 0.020 | 08/14/24 19:00 | | WET/EPA 6010B |
| S4H0472-CCBF | Lead | 0.004973 | 0.0041 | 0.020 | 08/14/24 19:29 | B13 | WET/EPA 6010B |
| S4H0472-CCBG | Lead | 0.005035 | 0.0041 | 0.020 | 08/14/24 19:58 | B13 | WET/EPA 6010B |
| S4H0472-CCBH | Lead | 0.001321 | 0.0041 | 0.020 | 08/14/24 20:32 | | WET/EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0472
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0472-IFA1 | Lead | | 0.00074 | mg/L | | <0.02 | 8/14/24 11:28 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0472
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0472-IFB1 | Lead | 0.500000 | 0.49434 | mg/L | 1 | ±20.00 % | 8/14/24 11:30 |

# METHOD DETECTION AND REPORTING LIMITS
# WET/EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** E1077 - 3067 E 60th PL, Huntington Park, CA 90255

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Laboratory ID: 2401218-02
Laboratory ID: E1077-WC-A1A2A3

Sampled: 07/19/24 11:27
Prepared: 08/12/24 09:43
Analyzed: 08/14/24 17:39
Batch: B4H0605
Sequence: S4H0473
Instrument: ICP-16
Preparation: EPA 3010A_TCLP_S
Method: EPA 6010B
Concentration Units: mg/L
Leach Batch: B4H0537
Leach Method: EPA 1311_S

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 0.055 | 0.020 | 0.10 | 5 | J |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401218 |
| Client: | Parsons | Project: | E1077 - 3067 E 60th PL, Huntington Park, CA 9( |
| Batch: | B4H0605 Batch Matrix: Soil | Preparation: | EPA 3010A_TCLP_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT mL | FINAL VOL. mL |
|---|---|---|---|---|
| E1077-WC-A1A2A3 | 2401218-02 | 08/12/24 09:43 | 25.00 | 25 |
| Blank | B4H0605-BLK1 | 08/12/24 09:43 | 25.00 | 25 |
| LCS | B4H0605-BS1 | 08/12/24 09:43 | 25.00 | 25 |
| Matrix Spike | B4H0605-MS1 | 08/12/24 09:43 | 25.00 | 25 |
| Matrix Spike Dup | B4H0605-MSD1 | 08/12/24 09:43 | 25.00 | 25 |
| Dilution Check | B4H0605-SRL1 | 08/12/24 09:43 | 25.00 | 25 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4H0605

**Extraction Method:** EPA 3010A_TCLP_S

**Batch Start Date:** 08/12/2024 10:00 **Batch Analyst:** CH

**Analysis Method:** EPA 6010B

**Batch End Date:** 08/12/2024 12:15

| Lab Sample ID | Client Sample ID | Initial (mL) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401218-02 | E1077-WC-A1A2A3 | 25.00 | 25.00 | | | | | | | 1.5 mL | 2.5 mL |
| B4H0605-BLK1 | Blank | 25.00 | 25.00 | | | | | | | 1.5 mL | 2.5 mL |
| B4H0605-BS1 | LCS | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | | | | | 1.5 mL | 2.5 mL |
| B4H0605-MS1 | Matrix Spike | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2400900-01 | | | | 1.5 mL | 2.5 mL |
| B4H0605-MSD1 | Matrix Spike Dup | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2400900-01 | | | | 1.5 mL | 2.5 mL |
| B4H0605-SRL1 | Dilution Check | 25.00 | 25.00 | | | 2400900-01 | | | | 1.5 mL | 2.5 mL |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4G0434 | Concentrated Nitric Acid | 240238 |
| A4F0570 | 1:1 Hydrochloric Acid | NA |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0605

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4H0605-BLK1 | Lead | 0.014793 | 0.020 | 0.10 | 08/14/24 17:01 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

### EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0605

Concentration Units: mg/L

Laboratory ID: B4H0605-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Lead | 0.530860 | 0.500000 | 106 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0605
Concentration Units: mg/L
Source Sample Name: **2400900-01**

Laboratory ID: B4H0605-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Lead | 0.030186 | 0.499793 | 0.500000 | 93.9 | | 75 - 125 |

Laboratory ID: B4H0605-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Lead | 0.493574 | 92.7 | 1.25 | 0.500000 | | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0605

Concentration Units: mg/L

Source Sample Name: **2400900-01**

Laboratory ID: B4H0605-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4H0605-PS1 | | | | | | |
| Lead | 0.030186 | 0.531761 | 0.500000 | 100 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Sequence: S4H0473

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0473-IBL1 | 240814-01 RR-001 | 08/14/24 10:53 |
| Cal Standard | S4H0473-CAL1 | 240814-01 RR-002 | 08/14/24 10:56 |
| Cal Standard | S4H0473-CAL2 | 240814-01 RR-003 | 08/14/24 10:58 |
| Cal Standard | S4H0473-CAL3 | 240814-01 RR-004 | 08/14/24 11:00 |
| Cal Standard | S4H0473-CAL4 | 240814-01 RR-005 | 08/14/24 11:03 |
| Cal Standard | S4H0473-CAL5 | 240814-01 RR-006 | 08/14/24 11:05 |
| Cal Standard | S4H0473-CAL6 | 240814-01 RR-007 | 08/14/24 11:07 |
| Cal Standard | S4H0473-CAL7 | 240814-01 RR-008 | 08/14/24 11:09 |
| Initial Cal Check | S4H0473-ICV1 | 240814-01 RR-009 | 08/14/24 11:20 |
| Initial Cal Blank | S4H0473-ICB1 | 240814-01 RR-010 | 08/14/24 11:22 |
| Interference Check A | S4H0473-IFA1 | 240814-01 RR-012 | 08/14/24 11:28 |
| Interference Check B | S4H0473-IFB1 | 240814-01 RR-013 | 08/14/24 11:30 |
| Calibration Check | S4H0473-CCV1 | 240814-01 RR-146 | 08/14/24 16:40 |
| Calibration Blank | S4H0473-CCB1 | 240814-01 RR-147 | 08/14/24 16:42 |
| Blank | B4H0605-BLK1 | 240814-01 RR-155 | 08/14/24 17:01 |
| LCS | B4H0605-BS1 | 240814-01 RR-156 | 08/14/24 17:03 |
| Matrix Spike | B4H0605-MS1 | 240814-01 RR-157 | 08/14/24 17:05 |
| Calibration Check | S4H0473-CCV2 | 240814-01 RR-158 | 08/14/24 17:08 |
| Calibration Blank | S4H0473-CCB2 | 240814-01 RR-159 | 08/14/24 17:10 |
| Matrix Spike Dup | B4H0605-MSD1 | 240814-01 RR-160 | 08/14/24 17:12 |
| Post Spike | B4H0605-PS1 | 240814-01 RR-161 | 08/14/24 17:14 |
| Dilution Check | B4H0605-SRL1 | 240814-01 RR-162 | 08/14/24 17:16 |
| Calibration Check | S4H0473-CCV3 | 240814-01 RR-170 | 08/14/24 17:35 |
| Calibration Blank | S4H0473-CCB3 | 240814-01 RR-171 | 08/14/24 17:37 |
| E1077-WC-A1A2A3 | 2401218-02 | 240814-01 RR-172 | 08/14/24 17:39 |
| Calibration Check | S4H0473-CCV4 | 240814-01 RR-182 | 08/14/24 18:02 |
| Calibration Blank | S4H0473-CCB4 | 240814-01 RR-183 | 08/14/24 18:05 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0473
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4G0525

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0473-ICV1 | Lead | 0.500000 | 0.527184 | 105 | 08/14/24 11:20 | +/- 10.00% |
| | Lead | 0.500000 | 0.527184 | 105 | 08/14/24 11:20 | +/- 10.00% |
| S4H0473-CCV1 | Lead | 2.00000 | 1.89487 | 94.7 | 08/14/24 16:40 | +/- 10.00% |
| | Lead | 2.00000 | 1.89487 | 94.7 | 08/14/24 16:40 | +/- 10.00% |
| S4H0473-CCV2 | Lead | 2.00000 | 1.86659 | 93.3 | 08/14/24 17:08 | +/- 10.00% |
| | Lead | 2.00000 | 1.86659 | 93.3 | 08/14/24 17:08 | +/- 10.00% |
| S4H0473-CCV3 | Lead | 2.00000 | 1.86389 | 93.2 | 08/14/24 17:35 | +/- 10.00% |
| | Lead | 2.00000 | 1.86389 | 93.2 | 08/14/24 17:35 | +/- 10.00% |
| S4H0473-CCV4 | Lead | 2.00000 | 1.87042 | 93.5 | 08/14/24 18:02 | +/- 10.00% |
| | Lead | 2.00000 | 1.87042 | 93.5 | 08/14/24 18:02 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0473

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0473-ICB1 | Lead | 0.007855 | 0.0041 | 0.020 | 08/14/24 11:22 | | EPA 6010B |
| S4H0473-CCB1 | Lead | 0.001161 | 0.0041 | 0.020 | 08/14/24 16:42 | | EPA 6010B |
| S4H0473-CCB2 | Lead | 0.005184 | 0.0041 | 0.020 | 08/14/24 17:10 | | EPA 6010B |
| S4H0473-CCB3 | Lead | 0.003055 | 0.0041 | 0.020 | 08/14/24 17:37 | | EPA 6010B |
| S4H0473-CCB4 | Lead | 0.006855 | 0.0041 | 0.020 | 08/14/24 18:05 | | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0473
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0473-IFA1 | Lead | | 0.00074 | mg/L | | <0.02 | 8/14/24 11:28 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4H0473
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0473-IFB1 | Lead | 0.500000 | 0.49434 | mg/L | 1 | ±20.00 % | 8/14/24 11:30 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** E1077 - 3067 E 60th PL, Huntington Park, CA 90255

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Leachate Preparation Log

# Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 240118

For Laboratory Use Only ATLCOC Ver:20210101

| Method of Transport | Sample Conditions Upon Receipt | | | | | |
|---|---|---|---|---|---|---|
| | Condition | Y | N | Condition | Y | N |
| ☐ Client ☐ ATL | 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| ☐ FedEx ☐ OnTrac | 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| ☐ 3SO | 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| ☐ Other: _____ | 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | | | Address: 100 W. Walnut Street | | Tel: |
| | | | City: Pasadena | State: CA Zip: 91124 | Fax: |
| SEND REPORT TO: | | | SEND INVOICE TO: ☐ same as SEND REPORT TO | | |
| Attn: Tom Blaney | Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | | Attn: | Email: | |
| Company: Parsons | | | Company: | | |
| Address: 100 W. Walnut Street | | | Address: | | |
| City: Pasadena | State: CA | Zip: 91124 | City: | State: | Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

| | | | |
|---|---|---|---|
| Project Name: DTSC Exide Residential | | Quote #: | |
| Site Address: 3067 E 60th Pl, Huntington Park, CA 90255 | | Site ID: E1077 | |
| Project No.: 684735 | | PO #: | |
| Sampler: Joshua Cottingham | | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Requested Analysis: Metals (As,Pb,Cd,Cu,Zn,Sb) | Requested Analysis: Lead (6010B) | Sample Matrix: Soil | Turnaround Time (TAT) | Container: Quantity | Container: Type: 1-Tube; 2-VOA; 3-Liter; 4-Pint; 5-Jar; 6-Tedlar; 7-Canister | Container: Material: 1-Glass; 2-Plastic; 3-Metal | Container: Preservative: 1-HCl; 2-HNO3; 3-H2SO4; 4-DI; 5-NaOH; 6-MeOH; 7-ZnAc2+NaOH | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | E1077-WC-A1A2 | E1077-WC | 7/19/2024 | 1125 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | E1077-WC-A1A2A3 | E1077-WC | 7/19/2024 | 1127 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| [signature] | 7-19-24 | 1400 | [signature] | 7/19/24 | 1400 |
| [signature] | 7/19/24 | 1422 | [signature] | 7/19/24 | 1422 |
| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Monday, August 5, 2024 11:59 AM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

**Follow Up Flag:** Follow up
**Flag Status:** Flagged

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. B0776-WC-A1A2 (LAB REPORT 2401209): STLC and TCLP for lead
2. B0776-WC-A1A2A3 (LAB REPORT 2401209): STLC and TCLP for lead
3. B1056-WC-A1A2 (LAB REPORT 2401207): STLC and TCLP for lead
4. B1056-WC-A1A2A3 (LAB REPORT 2401207): STLC and TCLP for lead
5. B0856-WC-A1A2 (LAB REPORT 2401211): STLC and TCLP for lead
6. B0856-WC-A1A2A3 (LAB REPORT 2401211): STLC and TCLP for lead
7. E1077-WC-A1A2 (LAB REPORT 2401218): STLC for lead
8. E1077-WC-A1A2A3 (LAB REPORT 2401218): STLC and TCLP for lead
9. D1444-WC-A1A2 (LAB REPORT 2401220): STLC and TCLP for lead
10. D1444-WC-A1A2A3 (LAB REPORT 2401220): STLC and TCLP for lead
11. B0780-WC-A1A2 (LAB REPORT 2401227): STLC and TCLP for lead
12. B0780-WC-A1A2A3 (LAB REPORT 2401227): STLC and TCLP for lead
13. D1338-WC-A1A2 (LAB REPORT 2401225): STLC and TCLP for lead
14. D1338-WC-A1A2A3 (LAB REPORT 2401225): STLC and TCLP for lead

Thank you,

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# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0432
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/15/2024
**Date Expires:** 07/29/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0432 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3J0482 | 2222032-100 | 3.0000 |
| A0B0014 | 220015067 | 0.1500 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0436
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0438
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0438 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0436 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0489
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0489 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0490 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0490
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0490 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0491 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0491
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0491 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0493 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0492
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0492 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0493 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0493
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0493 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0495 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0494
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0494 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0495 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0495
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0495 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0437 | na | 200.0000 |
| A4F0561 | 2413109-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0496
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 08/09/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0496 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0525
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0525 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0527 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0394
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/07/2024
**Date Expires:** 08/21/2024
**Prepared by:** Juan Flores
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0394 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0434
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0434 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0435
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/26/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4H0435 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4F0560 | 2334620-100 | 0.1500 |
| A3J0482 | 2222032-100 | 3.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0436
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/21/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4H0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0394 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0457
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4H0457 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0443 | na | 200.0000 |
| A4F0561 | 2413109-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0458
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0458 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0457 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0459
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0459 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0457 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0460
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0460 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0459 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0461
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0461 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0459 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0462
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0462 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0461 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0463
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0463 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0462 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# Report Prepared For:

## Parsons

# Client Project Description:

E1077 - 3067 E 60th PL, Huntington Park, CA 90255

# ATL Work Order: 2401218

Date of Preparation: 07-29-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401218


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July 29, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401218

Client Reference : E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Enclosed are the results for sample(s) received on July 19, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 07/29/24 15:44 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 07/29/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| E1077-WC-A1A2 | 2401218-01 | Soil | 7/19/24 11:25 | 7/19/24 14:22 |
| E1077-WC-A1A2A3 | 2401218-02 | Soil | 7/19/24 11:27 | 7/19/24 14:22 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 07/29/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on July 19th, 2024 at 14:22. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/29/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| B18 | Associated method blank above MDL, but below half of the PQL value. Therefore, reanalysis is not necessary. |
| B16 | Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| B13 | Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| B | Analyte detected in the associated method blank above the PQL. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/29/2024 |

## Client Sample ID: E1077-WC-A1A2
## Lab ID: 2401218-01

**Total Metals by ICP-AES EPA 6010B** — **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.8** | 2.0 | 0.77 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | |
| **Arsenic** | **4.4** | 2.0 | 0.71 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | |
| **Cadmium** | **1.7** | 1.0 | 0.06 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | |
| **Copper** | **30** | 1.0 | 0.22 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | B |
| **Lead** | **99** | 1.0 | 0.18 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | |
| **Zinc** | **240** | 2.0 | 0.30 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:37 | |

## Client Sample ID: E1077-WC-A1A2A3
## Lab ID: 2401218-02

**Total Metals by ICP-AES EPA 6010B** — **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.3** | 2.0 | 0.77 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | |
| **Arsenic** | **6.0** | 2.0 | 0.71 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | |
| **Cadmium** | **1.7** | 1.0 | 0.06 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | |
| **Copper** | **31** | 1.0 | 0.22 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | B |
| **Lead** | **110** | 1.0 | 0.18 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | |
| **Zinc** | **210** | 2.0 | 0.30 | 1 | B4G0840 | 07/19/2024 | 07/25/24 14:39 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/29/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0840 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4G0840-BLK1)** | | | | | | Prepared: 7/19/2024 Analyzed: 7/25/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | 0.271355 | 1.0 | 0.22 | | | | | | | B18, J |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4G0840-BS1)** | | | | | | Prepared: 7/19/2024 Analyzed: 7/25/2024 | | | | |
| Antimony | 24.3626 | 2.0 | 0.77 | 25.0000 | | 97.5 | 80 - 120 | | | |
| Arsenic | 25.0212 | 2.0 | 0.71 | 25.0000 | | 100 | 80 - 120 | | | |
| Cadmium | 23.5386 | 1.0 | 0.06 | 25.0000 | | 94.2 | 80 - 120 | | | |
| Copper | 23.6842 | 1.0 | 0.22 | 25.0000 | | 94.7 | 80 - 120 | | | B |
| Lead | 24.5746 | 1.0 | 0.18 | 25.0000 | | 98.3 | 80 - 120 | | | |
| Zinc | 24.9992 | 2.0 | 0.30 | 25.0000 | | 100 | 80 - 120 | | | |
| **Matrix Spike (B4G0840-MS1)** | | | **Source: 2401219-01** | | | Prepared: 7/19/2024 Analyzed: 7/25/2024 | | | | |
| Antimony | 24.9861 | 2.0 | 0.77 | 25.0000 | 3.07466 | 87.6 | 75 - 125 | | | |
| Arsenic | 24.7286 | 2.0 | 0.71 | 25.0000 | 2.20375 | 90.1 | 75 - 125 | | | |
| Cadmium | 24.4750 | 1.0 | 0.06 | 25.0000 | 0.979286 | 94.0 | 75 - 125 | | | |
| Copper | 42.9445 | 1.0 | 0.22 | 25.0000 | 18.5063 | 97.8 | 75 - 125 | | | B |
| Lead | 208.110 | 1.0 | 0.18 | 25.0000 | 175.119 | 132 | 75 - 125 | | | M2 |
| Zinc | 185.260 | 2.0 | 0.30 | 25.0000 | 151.141 | 136 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4G0840-MSD1)** | | | **Source: 2401219-01** | | | Prepared: 7/19/2024 Analyzed: 7/25/2024 | | | | |
| Antimony | 24.6405 | 2.0 | 0.77 | 25.0000 | 3.07466 | 86.3 | 75 - 125 | 1.39 | 20 | |
| Arsenic | 24.6496 | 2.0 | 0.71 | 25.0000 | 2.20375 | 89.8 | 75 - 125 | 0.320 | 20 | |
| Cadmium | 24.6696 | 1.0 | 0.06 | 25.0000 | 0.979286 | 94.8 | 75 - 125 | 0.792 | 20 | |
| Copper | 42.3674 | 1.0 | 0.22 | 25.0000 | 18.5063 | 95.4 | 75 - 125 | 1.35 | 20 | B |
| Lead | 210.803 | 1.0 | 0.18 | 25.0000 | 175.119 | 143 | 75 - 125 | 1.29 | 20 | M2 |
| Zinc | 185.670 | 2.0 | 0.30 | 25.0000 | 151.141 | 138 | 75 - 125 | 0.221 | 20 | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : E1077 - 3067 E 60th PL, Huntington Park, CA 90255 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/29/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0840 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4G0840-PS1)** | | | **Source: 2401219-01** | | Prepared: 7/19/2024 Analyzed: 7/25/2024 | | | | |
| Antimony | 0.452335 | | 0.500000 | 0.061493 | 78.2 | 75 - 125 | | | |
| Arsenic | 0.480897 | | 0.500000 | 0.044075 | 87.4 | 75 - 125 | | | |
| Cadmium | 0.480079 | | 0.500000 | 0.019586 | 92.1 | 75 - 125 | | | |
| Copper | 0.831638 | | 0.500000 | 0.370126 | 92.3 | 75 - 125 | | | B |
| Lead | 5.93600 | | 0.500000 | 3.50238 | 487 | 75 - 125 | | | M2 |
| Zinc | 3.44607 | | 0.500000 | 3.02283 | 84.6 | 75 - 125 | | | |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 240118

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐3SO ☐Other:

Sample Conditions Upon Receipt

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | |
|---|---|---|---|---|
| Company: Parsons | Address: 100 W. Walnut Street | | | Tel: |
| | City: Pasadena | State: CA | Zip: 91124 | Fax: |

| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO |
|---|---|
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: Email: |
| Company: Parsons | Company: |
| Address: 100 W. Walnut Street | Address: |
| City: Pasadena State: CA Zip: 91124 | City: State: Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV

| | | |
|---|---|---|
| Project Name: DTSC Exide Residential | Quote #: | |
| Site Address: 3067 E 60th Pl, Huntington Park, CA 90255 | Site ID: E1077 | |
| Project No.: 684735 | PO #: | |
| Sampler: Joshua Cottingham | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Material: 1=Glass; 2=Plastic; 3=Metal | Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=DI; 5=NaOH; 6=NaOH + ZnAc2+Ac; 7=MeOH | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | E1077-WC-A1A2 | E1077-WC | 7/19/2024 | 1125 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | E1077-WC-A1A2A3 | E1077-WC | 7/19/2024 | 1127 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| [signature] | 7-19-24 | 1400 | [signature] | 7/19/24 | 1400 |
| [signature] | 7/19/24 | 1422 | [signature] | 7/19/24 | 1422 |
| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |



Table of Contents

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| E1077-WC-A1A2 | 2401218-01 |
| E1077-WC-A1A2A3 | 2401218-02 |

# Sample Receiving Documents

# Sample Receipt Confirmation

**Work Order # 2401218**

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **E1077 - 3067 E 60th PL, Huntington Park, CA 90255** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 07/26/2024 20:00 | Received in Lab: | 07/19/2024 14:22 |
| Received By: | Thoai Trinh | Method of Delivery: | ATL Courier |
| Logged In By: | Thoai Trinh | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401218-01 E1077-WC-A1A2 [Soil] Sampled 07/19/2024 11:25** | | | |
| 6010_Exide_6 Metals Ver: NONE | 07/26/2024 20:00 | 01/15/2025 00:00 | 1 |
| **2401218-02 E1077-WC-A1A2A3 [Soil] Sampled 07/19/2024 11:27** | | | |
| 6010_Exide_6 Metals Ver: NONE | 07/26/2024 20:00 | 01/15/2025 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401218

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **E1077 - 3067 E 60th PL, Huntington Park, CA 90255** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 18. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil  Laboratory ID: 2401218-01  Laboratory ID: E1077-WC-A1A2

Sampled: 07/19/24 11:25  Prepared: 07/19/24 17:35  Analyzed: 07/25/24 14:37

Batch: B4G0840  Sequence: S4G0672  Instrument: ICP-16

Preparation: EPA 3050B_S  Method: EPA 6010B  Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.8 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 4.4 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 1.7 | 0.06 | 1.0 | 1 | |
| 7440-50-8 | Copper | 30 | 0.22 | 1.0 | 1 | B |
| 7439-92-1 | Lead | 99 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 240 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil | Laboratory ID: 2401218-02 | Laboratory ID: E1077-WC-A1A2A3

Sampled: 07/19/24 11:27 | Prepared: 07/19/24 17:35 | Analyzed: 07/25/24 14:39

Batch: B4G0840 | Sequence: S4G0672 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.3 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 6.0 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 1.7 | 0.06 | 1.0 | 1 | |
| 7440-50-8 | Copper | 31 | 0.22 | 1.0 | 1 | B |
| 7439-92-1 | Lead | 110 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 210 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | | | Work Order: | 2401218 |
| Client: | Parsons | | | Project: | E1077 - 3067 E 60th PL, Huntington Park, CA 9( |
| Batch: | B4G0840 | Batch Matrix: | Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| E1077-WC-A1A2 | 2401218-01 | 07/19/24 17:35 | 1.00 | 50 |
| E1077-WC-A1A2A3 | 2401218-02 | 07/19/24 17:35 | 1.00 | 50 |
| Blank | B4G0840-BLK1 | 07/19/24 17:42 | 1.00 | 50 |
| LCS | B4G0840-BS1 | 07/19/24 17:42 | 1.00 | 50 |
| Matrix Spike | B4G0840-MS1 | 07/19/24 17:42 | 1.00 | 50 |
| Matrix Spike Dup | B4G0840-MSD1 | 07/19/24 17:42 | 1.00 | 50 |
| Dilution Check | B4G0840-SRL1 | 07/19/24 17:42 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0840

**Extraction Method:** EPA 3050B_S

**Analysis Method:** EPA 6010B

**Batch Start Date:** 07/22/2024 12:30 **Batch Analyst:** DL2

**Batch End Date:** 07/22/2024 14:45

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401218-01 | E1077-WC-A1A2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401218-02 | E1077-WC-A1A2A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0840-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0840-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0840-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401219-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0840-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401219-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0840-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2401219-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4F0571 | 1:1 Nitric Acid | NA |
| A4G0398 | Concentrated Nitric Acid | 240238 |
| A4G0395 | Hydrogen Peroxide | K54376509 |
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Dispenser ID | MPDISP02 | 347844 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |
| Pipette | MPP01 | 22E77439 |
| Thermometer ID | MPTHERM 09 | 935128 |
| Digestion Unit | DB01 | 4507CEC2139 |
| Dispenser ID | MPDISP01 | 04K58398 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0840

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0840-BLK1 | Antimony | 0.073166 | 0.77 | 2.0 | 07/25/24 14:20 | U | EPA 6010B |
| | Arsenic | 0.409308 | 0.71 | 2.0 | 07/25/24 14:20 | U | EPA 6010B |
| | Cadmium | -0.191799 | 0.06 | 1.0 | 07/25/24 14:20 | U | EPA 6010B |
| | Copper | 0.271355 | 0.22 | 1.0 | 07/25/24 14:20 | B18, | EPA 6010B |
| | Lead | -0.255502 | 0.18 | 1.0 | 07/25/24 14:20 | U | EPA 6010B |
| | Zinc | -0.067600 | 0.30 | 2.0 | 07/25/24 14:20 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0840
Concentration Units: mg/kg

Laboratory ID: B4G0840-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 24.3626 | 25.0000 | 97.5 | | 80 - 120 |
| Arsenic | 25.0212 | 25.0000 | 100 | | 80 - 120 |
| Cadmium | 23.5386 | 25.0000 | 94.2 | | 80 - 120 |
| Copper | 23.6842 | 25.0000 | 94.7 | B | 80 - 120 |
| Lead | 24.5746 | 25.0000 | 98.3 | | 80 - 120 |
| Zinc | 24.9992 | 25.0000 | 100 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0840
Concentration Units: mg/kg
Source Sample Name: **2401219-01**

Laboratory ID: B4G0840-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Antimony | 3.07466 | 24.9861 | 25.0000 | 87.6 | | 75 - 125 |
| Arsenic | 2.20375 | 24.7286 | 25.0000 | 90.1 | | 75 - 125 |
| Cadmium | 0.979286 | 24.4750 | 25.0000 | 94.0 | | 75 - 125 |
| Copper | 18.5063 | 42.9445 | 25.0000 | 97.8 | B | 75 - 125 |
| Lead | 175.119 | 208.110 | 25.0000 | 132 | M2 | 75 - 125 |
| Zinc | 151.141 | 185.260 | 25.0000 | 136 | M2 | 75 - 125 |

Laboratory ID: B4G0840-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS % RPD | CONTROL LIMITS % R |
|---|---|---|---|---|---|---|---|
| Antimony | 24.6405 | 86.3 | 1.39 | 25.0000 | | 20 | 75 - 125 |
| Arsenic | 24.6496 | 89.8 | 0.320 | 25.0000 | | 20 | 75 - 125 |
| Cadmium | 24.6696 | 94.8 | 0.792 | 25.0000 | | 20 | 75 - 125 |
| Copper | 42.3674 | 95.4 | 1.35 | 25.0000 | B | 20 | 75 - 125 |
| Lead | 210.803 | 143 | 1.29 | 25.0000 | M2 | 20 | 75 - 125 |
| Zinc | 185.670 | 138 | 0.221 | 25.0000 | M2 | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0840

Concentration Units: mg/L

Source Sample Name: **2401219-01**

Laboratory ID: B4G0840-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0840-PS1 | | | | | | |
| Antimony | 0.061493 | 0.452335 | 0.500000 | 78.2 | | 75 - 125 |
| Arsenic | 0.044075 | 0.480897 | 0.500000 | 87.4 | | 75 - 125 |
| Cadmium | 0.019586 | 0.480079 | 0.500000 | 92.1 | | 75 - 125 |
| Copper | 0.370126 | 0.831638 | 0.500000 | 92.3 | B | 75 - 125 |
| Lead | 3.50238 | 5.93600 | 0.500000 | 487 | M2 | 75 - 125 |
| Zinc | 3.02283 | 3.44607 | 0.500000 | 84.6 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255

Sequence: S4G0672

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0672-IBL1 | 240725-02 RR-001 | 07/25/24 12:14 |
| Cal Standard | S4G0672-CAL1 | 240725-02 RR-002 | 07/25/24 12:17 |
| Cal Standard | S4G0672-CAL2 | 240725-02 RR-003 | 07/25/24 12:19 |
| Cal Standard | S4G0672-CAL3 | 240725-02 RR-004 | 07/25/24 12:21 |
| Cal Standard | S4G0672-CAL4 | 240725-02 RR-005 | 07/25/24 12:24 |
| Cal Standard | S4G0672-CAL5 | 240725-02 RR-006 | 07/25/24 12:26 |
| Cal Standard | S4G0672-CAL6 | 240725-02 RR-007 | 07/25/24 12:28 |
| Cal Standard | S4G0672-CAL7 | 240725-02 RR-008 | 07/25/24 12:30 |
| Initial Cal Check | S4G0672-ICV1 | 240725-02 RR-009 | 07/25/24 12:37 |
| Initial Cal Blank | S4G0672-ICB1 | 240725-02 RR-010 | 07/25/24 12:39 |
| Interference Check A | S4G0672-IFA1 | 240725-02 RR-012 | 07/25/24 12:48 |
| Interference Check B | S4G0672-IFB1 | 240725-02 RR-013 | 07/25/24 12:50 |
| Calibration Check | S4G0672-CCV2 | 240725-02 RR-026 | 07/25/24 14:02 |
| Calibration Blank | S4G0672-CCB2 | 240725-02 RR-027 | 07/25/24 14:04 |
| Blank | B4G0840-BLK1 | 240725-02 RR-035 | 07/25/24 14:20 |
| LCS | B4G0840-BS1 | 240725-02 RR-036 | 07/25/24 14:22 |
| Matrix Spike | B4G0840-MS1 | 240725-02 RR-037 | 07/25/24 14:24 |
| Calibration Check | S4G0672-CCV3 | 240725-02 RR-038 | 07/25/24 14:26 |
| Calibration Blank | S4G0672-CCB3 | 240725-02 RR-039 | 07/25/24 14:28 |
| Matrix Spike Dup | B4G0840-MSD1 | 240725-02 RR-040 | 07/25/24 14:30 |
| Post Spike | B4G0840-PS1 | 240725-02 RR-041 | 07/25/24 14:32 |
| Dilution Check | B4G0840-SRL1 | 240725-02 RR-042 | 07/25/24 14:34 |
| E1077-WC-A1A2 | 2401218-01 | 240725-02 RR-043 | 07/25/24 14:37 |
| E1077-WC-A1A2A3 | 2401218-02 | 240725-02 RR-044 | 07/25/24 14:39 |
| Calibration Check | S4G0672-CCV4 | 240725-02 RR-050 | 07/25/24 14:50 |
| Calibration Blank | S4G0672-CCB4 | 240725-02 RR-051 | 07/25/24 14:52 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0493

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0672-ICV1 | Antimony | 0.500000 | 0.494062 | 98.8 | 07/25/24 12:37 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.511460 | 102 | 07/25/24 12:37 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.502564 | 101 | 07/25/24 12:37 | +/- 10.00% |
| | Copper | 0.500000 | 0.501532 | 100 | 07/25/24 12:37 | +/- 10.00% |
| | Lead | 0.500000 | 0.538017 | 108 | 07/25/24 12:37 | +/- 10.00% |
| | Zinc | 0.500000 | 0.529773 | 106 | 07/25/24 12:37 | +/- 10.00% |
| S4G0672-CCV2 | Antimony | 2.00000 | 1.98929 | 99.5 | 07/25/24 14:02 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.98863 | 99.4 | 07/25/24 14:02 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.01761 | 101 | 07/25/24 14:02 | +/- 10.00% |
| | Copper | 2.00000 | 1.95149 | 97.6 | 07/25/24 14:02 | +/- 10.00% |
| | Lead | 2.00000 | 1.96741 | 98.4 | 07/25/24 14:02 | +/- 10.00% |
| | Zinc | 2.00000 | 2.03468 | 102 | 07/25/24 14:02 | +/- 10.00% |
| S4G0672-CCV3 | Antimony | 2.00000 | 1.95483 | 97.7 | 07/25/24 14:26 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.00746 | 100 | 07/25/24 14:26 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.00805 | 100 | 07/25/24 14:26 | +/- 10.00% |
| | Copper | 2.00000 | 1.95617 | 97.8 | 07/25/24 14:26 | +/- 10.00% |
| | Lead | 2.00000 | 1.94883 | 97.4 | 07/25/24 14:26 | +/- 10.00% |
| | Zinc | 2.00000 | 2.02433 | 101 | 07/25/24 14:26 | +/- 10.00% |
| S4G0672-CCV4 | Antimony | 2.00000 | 1.98197 | 99.1 | 07/25/24 14:50 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.02115 | 101 | 07/25/24 14:50 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.02801 | 101 | 07/25/24 14:50 | +/- 10.00% |
| | Copper | 2.00000 | 1.95334 | 97.7 | 07/25/24 14:50 | +/- 10.00% |
| | Lead | 2.00000 | 1.95727 | 97.9 | 07/25/24 14:50 | +/- 10.00% |
| | Zinc | 2.00000 | 2.04599 | 102 | 07/25/24 14:50 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0672

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0672-ICB1 | Antimony | 0.008406 | 0.02 | 0.04 | 07/25/24 12:39 | | EPA 6010B |
| | Arsenic | 0.003224 | 0.01 | 0.04 | 07/25/24 12:39 | | EPA 6010B |
| | Cadmium | -0.002294 | 0.001 | 0.02 | 07/25/24 12:39 | U | EPA 6010B |
| | Copper | 0.004593 | 0.004 | 0.02 | 07/25/24 12:39 | B16 | EPA 6010B |
| | Lead | 0.000058 | 0.004 | 0.02 | 07/25/24 12:39 | | EPA 6010B |
| | Zinc | -0.009617 | 0.006 | 0.04 | 07/25/24 12:39 | U | EPA 6010B |
| S4G0672-CCB2 | Antimony | 0.010976 | 0.02 | 0.04 | 07/25/24 14:04 | | EPA 6010B |
| | Arsenic | 0.000421 | 0.01 | 0.04 | 07/25/24 14:04 | | EPA 6010B |
| | Cadmium | -0.003258 | 0.001 | 0.02 | 07/25/24 14:04 | U | EPA 6010B |
| | Copper | 0.004808 | 0.004 | 0.02 | 07/25/24 14:04 | B13 | EPA 6010B |
| | Lead | -6.6367E-3 | 0.004 | 0.02 | 07/25/24 14:04 | U | EPA 6010B |
| | Zinc | -0.007444 | 0.006 | 0.04 | 07/25/24 14:04 | U | EPA 6010B |
| S4G0672-CCB3 | Antimony | 0.010314 | 0.02 | 0.04 | 07/25/24 14:28 | | EPA 6010B |
| | Arsenic | 0.004090 | 0.01 | 0.04 | 07/25/24 14:28 | | EPA 6010B |
| | Cadmium | -3.4916E-3 | 0.001 | 0.02 | 07/25/24 14:28 | U | EPA 6010B |
| | Copper | 0.005509 | 0.004 | 0.02 | 07/25/24 14:28 | B13 | EPA 6010B |
| | Lead | -0.003346 | 0.004 | 0.02 | 07/25/24 14:28 | U | EPA 6010B |
| | Zinc | -0.006834 | 0.006 | 0.04 | 07/25/24 14:28 | U | EPA 6010B |
| S4G0672-CCB4 | Antimony | 8.4037E-3 | 0.02 | 0.04 | 07/25/24 14:52 | | EPA 6010B |
| | Arsenic | 0.006165 | 0.01 | 0.04 | 07/25/24 14:52 | | EPA 6010B |
| | Cadmium | -0.003893 | 0.001 | 0.02 | 07/25/24 14:52 | U | EPA 6010B |
| | Copper | 0.005666 | 0.004 | 0.02 | 07/25/24 14:52 | B13 | EPA 6010B |
| | Lead | -0.009089 | 0.004 | 0.02 | 07/25/24 14:52 | U | EPA 6010B |
| | Zinc | -0.004154 | 0.006 | 0.04 | 07/25/24 14:52 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0672-IFA1 | Antimony | | 0.02726 | mg/L | | <0.04 | 7/25/24 12:48 |
| | Arsenic | | 0.00816 | mg/L | | <0.04 | 7/25/24 12:48 |
| | Cadmium | | 0.00264 | mg/L | | <0.02 | 7/25/24 12:48 |
| | Copper | | -0.00101 | mg/L | | <0.02 | 7/25/24 12:48 |
| | Lead | | -0.04593 | mg/L | | <0.02 | 7/25/24 12:48 |
| | Zinc | | -0.01052 | mg/L | | <0.04 | 7/25/24 12:48 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: E1077 - 3067 E 60th PL, Huntington Park, CA 90255
Sequence: S4G0672
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0672-IFB1 | Antimony | 0.500000 | 0.54070 | mg/L | -8 | ±20.00 % | 7/25/24 12:50 |
| | Arsenic | 0.500000 | 0.46802 | mg/L | 6 | ±20.00 % | 7/25/24 12:50 |
| | Cadmium | 0.500000 | 0.49470 | mg/L | 1 | ±20.00 % | 7/25/24 12:50 |
| | Copper | 0.500000 | 0.52653 | mg/L | -5 | ±20.00 % | 7/25/24 12:50 |
| | Lead | 0.500000 | 0.43719 | mg/L | 13 | ±20.00 % | 7/25/24 12:50 |
| | Zinc | 0.500000 | 0.47723 | mg/L | 5 | ±20.00 % | 7/25/24 12:50 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** E1077 - 3067 E 60th PL, Huntington Park, CA 90255

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 240118

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐Client ☐ATL ☐FedEx ☐OnTrac ☐3SO ☐Other:

Sample Conditions Upon Receipt

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: Parsons | | | Address: 100 W. Walnut Street | | Tel: |
| | | | City: Pasadena | State: CA Zip: 91124 | Fax: |

| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO |
|---|---|
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: Email: |
| Company: Parsons | Company: |
| Address: 100 W. Walnut Street | Address: |
| City: Pasadena State: CA Zip: 91124 | City: State: Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

| | | | |
|---|---|---|---|
| Project Name: DTSC Exide Residential | | Quote #: | |
| Site Address: 3067 E 60th Pl, Huntington Park, CA 90255 | | Site ID: E1077 | |
| Project No.: 684735 | | PO #: | |
| Sampler: Joshua Cottingham | | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As,Pb,Cd,Cu,Zn,Sb) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Container: Type | Container: Material | Container: Preservative | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | E1077-WC-A1A2 | E1077-WC | 7/19/2024 | 1125 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | E1077-WC-A1A2A3 | E1077-WC | 7/19/2024 | 1127 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

Requested Analysis / Sample Matrix / Container

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| [signature] | 7-19-24 | 1400 | [signature] | 7/19/24 | 1400 |
| [signature] | 7/19/24 | 1422 | [signature] | 7/19/24 | 1422 |
| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |



Table of Contents

# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0432
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/15/2024
**Date Expires:** 07/29/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0432 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3J0482 | 2222032-100 | 3.0000 |
| A0B0014 | 220015067 | 0.1500 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0436
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0438
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0438 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0436 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0489
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0489 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0490 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0490
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0490 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0491 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0491
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0491 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0493 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0492
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0492 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0493 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0493
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0493 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0495 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0494
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0494 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0495 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0495
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0495 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0437 | na | 200.0000 |
| A4F0561 | 2413109-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0496
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 08/09/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0496 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# Report Prepared For:

## Parsons

# Client Project Description:

ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

# ATL Work Order: 2401187

Date of Preparation: 07-25-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401187


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July 25, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401187

Client Reference : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Enclosed are the results for sample(s) received on July 15, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 07/25/24 14:00 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 07/25/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| ENA19-WC-A1A2 | 2401187-01 | Soil | 7/15/24 14:01 | 7/15/24 15:05 |
| ENA19-WC-A1A2A3 | 2401187-02 | Soil | 7/15/24 14:03 | 7/15/24 15:05 |

# Certificate of Analysis

| | | |
|---|---|---|
| Parsons | Project Number : | ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : | Tom Blaney |
| Pasadena , CA 91124 | Reported : | 07/25/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on July 15th, 2024 at 15:05. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/25/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/25/2024 |

## Client Sample ID: ENA19-WC-A1A2
## Lab ID: 2401187-01

**Total Metals by ICP-AES EPA 6010B** — **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.1** | 2.0 | 0.77 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | |
| **Arsenic** | **3.6** | 2.0 | 0.71 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | |
| **Cadmium** | **0.31** | 1.0 | 0.06 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | J |
| **Copper** | **32** | 1.0 | 0.22 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | |
| **Lead** | **71** | 1.0 | 0.18 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | |
| **Zinc** | **140** | 2.0 | 0.30 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | |

## Client Sample ID: ENA19-WC-A1A2A3
## Lab ID: 2401187-02

**Total Metals by ICP-AES EPA 6010B** — **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **2.2** | 2.0 | 0.77 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | |
| **Arsenic** | **3.0** | 2.0 | 0.71 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | |
| Cadmium | ND | 1.0 | 0.06 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | U |
| **Copper** | **18** | 1.0 | 0.22 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | |
| **Lead** | **27** | 1.0 | 0.18 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | |
| **Zinc** | **74** | 2.0 | 0.30 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/25/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0768 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4G0768-BLK1)** | | | | | | Prepared: 7/15/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | ND | 1.0 | 0.22 | | | | | | | U |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4G0768-BS1)** | | | | | | Prepared: 7/15/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 24.2930 | 2.0 | 0.77 | 25.0000 | | 97.2 | 80 - 120 | | | |
| Arsenic | 24.1995 | 2.0 | 0.71 | 25.0000 | | 96.8 | 80 - 120 | | | |
| Cadmium | 23.5918 | 1.0 | 0.06 | 25.0000 | | 94.4 | 80 - 120 | | | |
| Copper | 24.1680 | 1.0 | 0.22 | 25.0000 | | 96.7 | 80 - 120 | | | |
| Lead | 24.0650 | 1.0 | 0.18 | 25.0000 | | 96.3 | 80 - 120 | | | |
| Zinc | 25.2632 | 2.0 | 0.30 | 25.0000 | | 101 | 80 - 120 | | | |
| **Matrix Spike (B4G0768-MS1)** | | | **Source: 2401190-01** | | | Prepared: 7/15/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 24.2832 | 2.0 | 0.77 | 25.0000 | 3.62872 | 82.6 | 75 - 125 | | | |
| Arsenic | 27.5002 | 2.0 | 0.71 | 25.0000 | 4.49148 | 92.0 | 75 - 125 | | | |
| Cadmium | 24.2051 | 1.0 | 0.06 | 25.0000 | ND | 96.8 | 75 - 125 | | | |
| Copper | 47.5972 | 1.0 | 0.22 | 25.0000 | 24.2747 | 93.3 | 75 - 125 | | | |
| Lead | 76.8227 | 1.0 | 0.18 | 25.0000 | 78.5781 | -7.02 | 75 - 125 | | | M2 |
| Zinc | 134.345 | 2.0 | 0.30 | 25.0000 | 150.220 | -63.5 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4G0768-MSD1)** | | | **Source: 2401190-01** | | | Prepared: 7/15/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 21.8707 | 2.0 | 0.77 | 25.0000 | 3.62872 | 73.0 | 75 - 125 | 10.5 | 20 | M2 |
| Arsenic | 27.3175 | 2.0 | 0.71 | 25.0000 | 4.49148 | 91.3 | 75 - 125 | 0.667 | 20 | |
| Cadmium | 24.2591 | 1.0 | 0.06 | 25.0000 | ND | 97.0 | 75 - 125 | 0.223 | 20 | |
| Copper | 48.3232 | 1.0 | 0.22 | 25.0000 | 24.2747 | 96.2 | 75 - 125 | 1.51 | 20 | |
| Lead | 76.3491 | 1.0 | 0.18 | 25.0000 | 78.5781 | -8.92 | 75 - 125 | 0.618 | 20 | M2 |
| Zinc | 136.348 | 2.0 | 0.30 | 25.0000 | 150.220 | -55.5 | 75 - 125 | 1.48 | 20 | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 07/25/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0768 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4G0768-PS1)** | | | **Source: 2401190-01** | | Prepared: 7/15/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 0.401840 | | 0.500000 | 0.072574 | 65.9 | 75 - 125 | | | M2 |
| Arsenic | 0.528428 | | 0.500000 | 0.089830 | 87.7 | 75 - 125 | | | |
| Cadmium | 0.483751 | | 0.500000 | 0.000923 | 96.6 | 75 - 125 | | | |
| Copper | 0.964610 | | 0.500000 | 0.485493 | 95.8 | 75 - 125 | | | |
| Lead | 1.56805 | | 0.500000 | 1.57156 | -0.703 | 75 - 125 | | | M2 |
| Zinc | 2.66824 | | 0.500000 | 3.00440 | -67.2 | 75 - 125 | | | M2 |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 ● Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instructio n: Complete all shaded areas .*

21 2401187

For Laboratory Use Only ATLCOC Ver:20210101

**Method of Transport**: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:

**Sample Conditions Upon Receipt**

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

Company: **Parsons**
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124
Tel:
Fax:

SEND REPORT TO:
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com
Company: Parsons
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124

SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____
QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential
Site Address: 928 Bernal Ave, Los Angeles
Project No.: 684735
Sampler: Joshua Cottingham
Quote #:
Site ID: ENA19
PO #:

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As, Pb,Sb,Cd,Cu,Zn) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Material: 1=Glass; 2=Plastic; 3=Metal | Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=C6H8O7+ZnAc2; 5=NaOH; 7=NaAsO2 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | ENA19-WC-A1A2 | ENA19-WC | 7/15/2024 | 1401 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | ENA19-WC-A1A2A3 | ENA19-WC | 7/15/2024 | 1403 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| J. Cottingham | 7-15-24 | 1435 | EY | 7/15/24 | 1435 |
| EY | 7/15/24 | 1505 | Jhoan | 7/15/24 | 1505 |
| | | | | | |



Table of Contents

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| ENA19-WC-A1A2 | 2401187-01 |
| ENA19-WC-A1A2A3 | 2401187-02 |

# Sample Receiving Documents

# Sample Receipt Confirmation

**Work Order # 2401187**

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **ENA19 - 928 Bernal Ave., Los Angeles, CA 90023** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 07/23/2024 20:00 | Received in Lab: | 07/15/2024 15:05 |
| Received By: | Thoai Trinh | Method of Delivery: | ATL Courier |
| Logged In By: | Ethan Tran | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401187-01 ENA19-WC-A1A2 [Soil] Sampled 07/15/2024 14:01** | | | |
| 6010_Exide_6 Metals Ver: NONE | 07/23/2024 20:00 | 01/11/2025 00:00 | 1 |
| **2401187-02 ENA19-WC-A1A2A3 [Soil] Sampled 07/15/2024 14:03** | | | |
| 6010_Exide_6 Metals Ver: NONE | 07/23/2024 20:00 | 01/11/2025 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401187

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **ENA19 - 928 Bernal Ave., Los Angeles, CA 90023** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 17. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil  Laboratory ID: 2401187-01  Laboratory ID: ENA19-WC-A1A2

Sampled: 07/15/24 14:01  Prepared: 07/16/24 08:30  Analyzed: 07/24/24 13:31

Batch: B4G0768  Sequence: S4G0637  Instrument: ICP-16

Preparation: EPA 3050B_S  Method: EPA 6010B  Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.1 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 3.6 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 0.31 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 32 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 71 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 140 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401187-02 | Laboratory ID: ENA19-WC-A1A2A3

Sampled: 07/15/24 14:03 | Prepared: 07/16/24 08:30 | Analyzed: 07/24/24 13:33

Batch: B4G0768 | Sequence: S4G0637 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.2 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 3.0 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | ND | 0.06 | 1.0 | 1 | U |
| 7440-50-8 | Copper | 18 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 27 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 74 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401187 |
| Client: | Parsons | Project: | ENA19 - 928 Bernal Ave., Los Angeles, CA 900 |
| Batch: | B4G0768 Batch Matrix: Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| ENA19-WC-A1A2 | 2401187-01 | 07/16/24 08:30 | 1.00 | 50 |
| ENA19-WC-A1A2A3 | 2401187-02 | 07/16/24 08:30 | 1.00 | 50 |
| Blank | B4G0768-BLK1 | 07/15/24 17:29 | 1.00 | 50 |
| LCS | B4G0768-BS1 | 07/15/24 17:29 | 1.00 | 50 |
| Matrix Spike | B4G0768-MS1 | 07/15/24 17:29 | 1.00 | 50 |
| Matrix Spike Dup | B4G0768-MSD1 | 07/15/24 17:29 | 1.00 | 50 |
| Dilution Check | B4G0768-SRL1 | 07/15/24 17:29 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0768

**Extraction Method:** EPA 3050B_S

**Batch Start Date:** 07/22/2024 11:00 **Batch Analyst:** DL2

**Analysis Method:** EPA 6010B

**Batch End Date:** 07/22/2024 13:15

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401187-01 | ENA19-WC-A1A2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401187-02 | ENA19-WC-A1A2A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0768-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0768-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0768-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401190-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0768-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401190-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0768-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2401190-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4F0571 | 1:1 Nitric Acid | NA |
| A4G0395 | Hydrogen Peroxide | K54376509 |
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |
| A4G0398 | Concentrated Nitric Acid | 240238 |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Pipette | MPP01 | 22E77439 |
| Digestion Unit | DB01 | 4507CEC2139 |
| Dispenser ID | MPDISP02 | 347844 |
| Thermometer ID | MPTHERM 09 | 935128 |
| Dispenser ID | MPDISP01 | 04K58398 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0768

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0768-BLK1 | Antimony | -0.318631 | 0.77 | 2.0 | 07/24/24 13:12 | U | EPA 6010B |
| | Arsenic | -0.353859 | 0.71 | 2.0 | 07/24/24 13:12 | U | EPA 6010B |
| | Cadmium | -1.21241 | 0.06 | 1.0 | 07/24/24 13:12 | U | EPA 6010B |
| | Copper | -0.789760 | 0.22 | 1.0 | 07/24/24 13:12 | U | EPA 6010B |
| | Lead | -0.880516 | 0.18 | 1.0 | 07/24/24 13:12 | U | EPA 6010B |
| | Zinc | -0.341980 | 0.30 | 2.0 | 07/24/24 13:12 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0768
Concentration Units: mg/kg
Laboratory ID: B4G0768-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 24.2930 | 25.0000 | 97.2 | | 80 - 120 |
| Arsenic | 24.1995 | 25.0000 | 96.8 | | 80 - 120 |
| Cadmium | 23.5918 | 25.0000 | 94.4 | | 80 - 120 |
| Copper | 24.1680 | 25.0000 | 96.7 | | 80 - 120 |
| Lead | 24.0650 | 25.0000 | 96.3 | | 80 - 120 |
| Zinc | 25.2632 | 25.0000 | 101 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0768
Concentration Units: mg/kg
Source Sample Name: **2401190-01**

Laboratory ID: B4G0768-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Antimony | 3.62872 | 24.2832 | 25.0000 | 82.6 | | 75 - 125 |
| Arsenic | 4.49148 | 27.5002 | 25.0000 | 92.0 | | 75 - 125 |
| Cadmium | ND | 24.2051 | 25.0000 | 96.8 | | 75 - 125 |
| Copper | 24.2747 | 47.5972 | 25.0000 | 93.3 | | 75 - 125 |
| Lead | 78.5781 | 76.8227 | 25.0000 | -7.02 | M2 | 75 - 125 |
| Zinc | 150.220 | 134.345 | 25.0000 | -63.5 | M2 | 75 - 125 |

Laboratory ID: B4G0768-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Antimony | 21.8707 | 73.0 | 10.5 | 25.0000 | M2 | 20 | 75 - 125 |
| Arsenic | 27.3175 | 91.3 | 0.667 | 25.0000 | | 20 | 75 - 125 |
| Cadmium | 24.2591 | 97.0 | 0.223 | 25.0000 | | 20 | 75 - 125 |
| Copper | 48.3232 | 96.2 | 1.51 | 25.0000 | | 20 | 75 - 125 |
| Lead | 76.3491 | -8.92 | 0.618 | 25.0000 | M2 | 20 | 75 - 125 |
| Zinc | 136.348 | -55.5 | 1.48 | 25.0000 | M2 | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0768

Concentration Units: mg/L

Source Sample Name: **2401190-01**

Laboratory ID: B4G0768-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0768-PS1 | | | | | | |
| Antimony | 0.072574 | 0.401840 | 0.500000 | 65.9 | M2 | 75 - 125 |
| Arsenic | 0.089830 | 0.528428 | 0.500000 | 87.7 | | 75 - 125 |
| Cadmium | 0.000923 | 0.483751 | 0.500000 | 96.6 | | 75 - 125 |
| Copper | 0.485493 | 0.964610 | 0.500000 | 95.8 | | 75 - 125 |
| Lead | 1.57156 | 1.56805 | 0.500000 | -0.703 | M2 | 75 - 125 |
| Zinc | 3.00440 | 2.66824 | 0.500000 | -67.2 | M2 | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4G0637

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0637-IBL1 | 240724-01 RR2-001 | 07/24/24 11:25 |
| Cal Standard | S4G0637-CAL1 | 240724-01 RR2-002 | 07/24/24 11:28 |
| Cal Standard | S4G0637-CAL2 | 240724-01 RR2-003 | 07/24/24 11:30 |
| Cal Standard | S4G0637-CAL3 | 240724-01 RR2-004 | 07/24/24 11:32 |
| Cal Standard | S4G0637-CAL4 | 240724-01 RR2-005 | 07/24/24 11:35 |
| Cal Standard | S4G0637-CAL5 | 240724-01 RR2-006 | 07/24/24 11:37 |
| Cal Standard | S4G0637-CAL6 | 240724-01 RR2-007 | 07/24/24 11:39 |
| Cal Standard | S4G0637-CAL7 | 240724-01 RR2-008 | 07/24/24 11:41 |
| Initial Cal Check | S4G0637-ICV1 | 240724-01 RR2-009 | 07/24/24 11:49 |
| Initial Cal Blank | S4G0637-ICB1 | 240724-01 RR2-010 | 07/24/24 11:50 |
| Interference Check A | S4G0637-IFA1 | 240724-01 RR2-012 | 07/24/24 12:00 |
| Interference Check B | S4G0637-IFB1 | 240724-01 RR2-013 | 07/24/24 12:02 |
| Calibration Check | S4G0637-CCV1 | 240724-01 RR2-014 | 07/24/24 13:08 |
| Calibration Blank | S4G0637-CCB1 | 240724-01 RR2-015 | 07/24/24 13:10 |
| Blank | B4G0768-BLK1 | 240724-01 RR2-016 | 07/24/24 13:12 |
| LCS | B4G0768-BS1 | 240724-01 RR2-017 | 07/24/24 13:20 |
| Matrix Spike | B4G0768-MS1 | 240724-01 RR2-018 | 07/24/24 13:22 |
| Matrix Spike Dup | B4G0768-MSD1 | 240724-01 RR2-019 | 07/24/24 13:24 |
| Post Spike | B4G0768-PS1 | 240724-01 RR2-020 | 07/24/24 13:26 |
| Dilution Check | B4G0768-SRL1 | 240724-01 RR2-021 | 07/24/24 13:28 |
| ENA19-WC-A1A2 | 2401187-01 | 240724-01 RR2-022 | 07/24/24 13:31 |
| ENA19-WC-A1A2A3 | 2401187-02 | 240724-01 RR2-023 | 07/24/24 13:33 |
| Calibration Check | S4G0637-CCV2 | 240724-01 RR2-026 | 07/24/24 13:39 |
| Calibration Blank | S4G0637-CCB2 | 240724-01 RR2-027 | 07/24/24 13:41 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0637-ICV1 | Antimony | 0.500000 | 0.498742 | 99.7 | 07/24/24 11:49 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.510534 | 102 | 07/24/24 11:49 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.506751 | 101 | 07/24/24 11:49 | +/- 10.00% |
| | Copper | 0.500000 | 0.502838 | 101 | 07/24/24 11:49 | +/- 10.00% |
| | Lead | 0.500000 | 0.525030 | 105 | 07/24/24 11:49 | +/- 10.00% |
| | Zinc | 0.500000 | 0.539127 | 108 | 07/24/24 11:49 | +/- 10.00% |
| S4G0637-CCV1 | Antimony | 2.00000 | 1.96147 | 98.1 | 07/24/24 13:08 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.03888 | 102 | 07/24/24 13:08 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.10413 | 105 | 07/24/24 13:08 | +/- 10.00% |
| | Copper | 2.00000 | 2.13943 | 107 | 07/24/24 13:08 | +/- 10.00% |
| | Lead | 2.00000 | 2.04107 | 102 | 07/24/24 13:08 | +/- 10.00% |
| | Zinc | 2.00000 | 2.06377 | 103 | 07/24/24 13:08 | +/- 10.00% |
| S4G0637-CCV2 | Antimony | 2.00000 | 1.94557 | 97.3 | 07/24/24 13:39 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.01696 | 101 | 07/24/24 13:39 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.11904 | 106 | 07/24/24 13:39 | +/- 10.00% |
| | Copper | 2.00000 | 2.15913 | 108 | 07/24/24 13:39 | +/- 10.00% |
| | Lead | 2.00000 | 2.02587 | 101 | 07/24/24 13:39 | +/- 10.00% |
| | Zinc | 2.00000 | 2.04325 | 102 | 07/24/24 13:39 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0637

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0637-ICB1 | Antimony | 0.001776 | 0.02 | 0.04 | 07/24/24 11:50 | | EPA 6010B |
| | Arsenic | 0.000458 | 0.01 | 0.04 | 07/24/24 11:50 | | EPA 6010B |
| | Cadmium | -0.020357 | 0.001 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Copper | -0.019041 | 0.004 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Lead | -0.008745 | 0.004 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Zinc | -0.005248 | 0.006 | 0.04 | 07/24/24 11:50 | U | EPA 6010B |
| S4G0637-CCB1 | Antimony | -0.000831 | 0.02 | 0.04 | 07/24/24 13:10 | U | EPA 6010B |
| | Arsenic | 0.000605 | 0.01 | 0.04 | 07/24/24 13:10 | | EPA 6010B |
| | Cadmium | -0.023831 | 0.001 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Copper | -0.017424 | 0.004 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Lead | -0.017219 | 0.004 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Zinc | -0.005160 | 0.006 | 0.04 | 07/24/24 13:10 | U | EPA 6010B |
| S4G0637-CCB2 | Antimony | -0.009456 | 0.02 | 0.04 | 07/24/24 13:41 | U | EPA 6010B |
| | Arsenic | 0.005421 | 0.01 | 0.04 | 07/24/24 13:41 | | EPA 6010B |
| | Cadmium | -0.023914 | 0.001 | 0.02 | 07/24/24 13:41 | U | EPA 6010B |
| | Copper | -0.015404 | 0.004 | 0.02 | 07/24/24 13:41 | U | EPA 6010B |
| | Lead | -0.017566 | 0.004 | 0.02 | 07/24/24 13:41 | U | EPA 6010B |
| | Zinc | -0.004007 | 0.006 | 0.04 | 07/24/24 13:41 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0637-IFA1 | Antimony | | -0.00217 | mg/L | | <0.04 | 7/24/24 12:00 |
| | Arsenic | | -0.00089 | mg/L | | <0.04 | 7/24/24 12:00 |
| | Cadmium | | -0.01725 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Copper | | -0.02703 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Lead | | -0.04925 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Zinc | | -0.01337 | mg/L | | <0.04 | 7/24/24 12:00 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0637-IFB1 | Antimony | 0.500000 | 0.46998 | mg/L | 6 | ±20.00 % | 7/24/24 12:02 |
| | Arsenic | 0.500000 | 0.45654 | mg/L | 9 | ±20.00 % | 7/24/24 12:02 |
| | Cadmium | 0.500000 | 0.48402 | mg/L | 3 | ±20.00 % | 7/24/24 12:02 |
| | Copper | 0.500000 | 0.50106 | mg/L | 0 | ±20.00 % | 7/24/24 12:02 |
| | Lead | 0.500000 | 0.44701 | mg/L | 11 | ±20.00 % | 7/24/24 12:02 |
| | Zinc | 0.500000 | 0.44541 | mg/L | 11 | ±20.00 % | 7/24/24 12:02 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 ● Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instructio n: Complete all shaded areas .*

21 2401187

For Laboratory Use Only ATLCOC Ver:20210101

**Method of Transport**: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:

**Sample Conditions Upon Receipt**

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

Company: **Parsons**
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124
Tel:
Fax:

**SEND REPORT TO:**
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com
Company: Parsons
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124

**SEND INVOICE TO:** ☐ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

**EDD**: ☐ Excel ☐ EDF ☐ Equis ☐ _____
**QA/QC**: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential
Site Address: 928 Bernal Ave, Los Angeles
Project No.: 684735
Sampler: Joshua Cottingham
Quote #:
Site ID: ENA19
PO #:

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As, Pb,Sb,Cd,Cu,Zn) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Container: Material: 1=Glass; 2=Plastic; 3=Metal | Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=C6H8O7+Na2S2O3; 5=ZnAc2+NaOH; 7=NA2S2O3 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | ENA19-WC-A1A2 | ENA19-WC | 7/15/2024 | 1401 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | ENA19-WC-A1A2A3 | ENA19-WC | 7/15/2024 | 1403 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Joshua Cottingham | 7-15-24 | 1435 | EY | 7/15/24 | 1435 |
| EY | 7/15/24 | 1505 | Jason | 7/15/24 | 1505 |
| | | | | | |



Table of Contents

# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0417
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0417 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0473 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0418
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0418 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0472 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0419
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0419 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0420
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0420 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0421
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0421 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0422
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0422 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0423
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0423 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0439 | na | 200.0000 |
| A3J0570 | 2325728-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0424
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0424 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0432
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/15/2024
**Date Expires:** 07/29/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0432 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3J0482 | 2222032-100 | 3.0000 |
| A0B0014 | 220015067 | 0.1500 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0436
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0438
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0438 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0436 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# Report Prepared For:

## Parsons

# Client Project Description:

ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

# ATL Work Order: 2401187

Date of Preparation: 08-16-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401187


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Work Order Number: 2401187


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August 16, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401187

Client Reference : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Enclosed are the results for sample(s) received on July 15, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/16/24 07:35 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/16/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| ENA19-WC-A1A2 | 2401187-01 | Soil | 7/15/24 14:01 | 7/15/24 15:05 |
| ENA19-WC-A1A2A3 | 2401187-02 | Soil | 7/15/24 14:03 | 7/15/24 15:05 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/16/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on July 15th, 2024 at 15:05. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| Q2 | Analyte is high biased on QC. Sample result/s was non-detect (ND); therefore reanalysis was not necessary. |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| B16 | Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| B14 | Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary. |
| B13 | Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## STLC Metals by ICP-AES by EPA 6010B

**Analyte: Lead** **Analyst: KK2**

| Laboratory ID | Client Sample ID | Result | Units | PQL | MDL | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 2401187-01 | ENA19-WC-A1 A2 | **1.6** | mg/L | 0.10 | 0.020 | 5 | B4H0571 | 08/07/2024 | 08/09/24 14:46 | |

### Client Sample ID: ENA19-WC-A1A2
### Lab ID: 2401187-01

**Total Metals by ICP-AES EPA 6010B** **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **3.1** | 2.0 | 0.77 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | |
| **Arsenic** | **3.6** | 2.0 | 0.71 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | |
| **Cadmium** | **0.31** | 1.0 | 0.06 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | J |
| **Copper** | **32** | 1.0 | 0.22 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | |
| **Lead** | **71** | 1.0 | 0.18 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | |
| **Zinc** | **140** | 2.0 | 0.30 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:31 | |

### Client Sample ID: ENA19-WC-A1A2A3
### Lab ID: 2401187-02

**Total Metals by ICP-AES EPA 6010B** **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **2.2** | 2.0 | 0.77 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | |
| **Arsenic** | **3.0** | 2.0 | 0.71 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | |
| Cadmium | ND | 1.0 | 0.06 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | U |
| **Copper** | **18** | 1.0 | 0.22 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | |
| **Lead** | **27** | 1.0 | 0.18 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | |
| **Zinc** | **74** | 2.0 | 0.30 | 1 | B4G0768 | 07/16/2024 | 07/24/24 13:33 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0768 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4G0768-BLK1)** | | | | | | Prepared: 7/15/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | ND | 1.0 | 0.22 | | | | | | | U |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4G0768-BS1)** | | | | | | Prepared: 7/15/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 24.2930 | 2.0 | 0.77 | 25.0000 | | 97.2 | 80 - 120 | | | |
| Arsenic | 24.1995 | 2.0 | 0.71 | 25.0000 | | 96.8 | 80 - 120 | | | |
| Cadmium | 23.5918 | 1.0 | 0.06 | 25.0000 | | 94.4 | 80 - 120 | | | |
| Copper | 24.1680 | 1.0 | 0.22 | 25.0000 | | 96.7 | 80 - 120 | | | |
| Lead | 24.0650 | 1.0 | 0.18 | 25.0000 | | 96.3 | 80 - 120 | | | |
| Zinc | 25.2632 | 2.0 | 0.30 | 25.0000 | | 101 | 80 - 120 | | | |
| **Matrix Spike (B4G0768-MS1)** | | | **Source: 2401190-01** | | | Prepared: 7/15/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 24.2832 | 2.0 | 0.77 | 25.0000 | 3.62872 | 82.6 | 75 - 125 | | | |
| Arsenic | 27.5002 | 2.0 | 0.71 | 25.0000 | 4.49148 | 92.0 | 75 - 125 | | | |
| Cadmium | 24.2051 | 1.0 | 0.06 | 25.0000 | ND | 96.8 | 75 - 125 | | | |
| Copper | 47.5972 | 1.0 | 0.22 | 25.0000 | 24.2747 | 93.3 | 75 - 125 | | | |
| Lead | 76.8227 | 1.0 | 0.18 | 25.0000 | 78.5781 | -7.02 | 75 - 125 | | | M2 |
| Zinc | 134.345 | 2.0 | 0.30 | 25.0000 | 150.220 | -63.5 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4G0768-MSD1)** | | | **Source: 2401190-01** | | | Prepared: 7/15/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 21.8707 | 2.0 | 0.77 | 25.0000 | 3.62872 | 73.0 | 75 - 125 | 10.5 | 20 | M2 |
| Arsenic | 27.3175 | 2.0 | 0.71 | 25.0000 | 4.49148 | 91.3 | 75 - 125 | 0.667 | 20 | |
| Cadmium | 24.2591 | 1.0 | 0.06 | 25.0000 | ND | 97.0 | 75 - 125 | 0.223 | 20 | |
| Copper | 48.3232 | 1.0 | 0.22 | 25.0000 | 24.2747 | 96.2 | 75 - 125 | 1.51 | 20 | |
| Lead | 76.3491 | 1.0 | 0.18 | 25.0000 | 78.5781 | -8.92 | 75 - 125 | 0.618 | 20 | M2 |
| Zinc | 136.348 | 2.0 | 0.30 | 25.0000 | 150.220 | -55.5 | 75 - 125 | 1.48 | 20 | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0768 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4G0768-PS1)** | | **Source: 2401190-01** | | | Prepared: 7/15/2024 Analyzed: 7/24/2024 | | | | |
| Antimony | 0.401840 | | 0.500000 | 0.072574 | 65.9 | 75 - 125 | | | M2 |
| Arsenic | 0.528428 | | 0.500000 | 0.089830 | 87.7 | 75 - 125 | | | |
| Cadmium | 0.483751 | | 0.500000 | 0.000923 | 96.6 | 75 - 125 | | | |
| Copper | 0.964610 | | 0.500000 | 0.485493 | 95.8 | 75 - 125 | | | |
| Lead | 1.56805 | | 0.500000 | 1.57156 | -0.703 | 75 - 125 | | | M2 |
| Zinc | 2.66824 | | 0.500000 | 3.00440 | -67.2 | 75 - 125 | | | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : ENA19 - 928 Bernal Ave., Los Angeles, CA 90023 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## STLC Metals by ICP-AES by EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4H0571 - STLC_S Extraction** | | | | | | | | | | |
| **Blank (B4H0571-BLK1)** | | | | | | Prepared: 8/7/2024 Analyzed: 8/9/2024 | | | | |
| Lead | ND | 0.10 | 0.020 | | | | | | | U |
| **LCS (B4H0571-BS1)** | | | | | | Prepared: 8/7/2024 Analyzed: 8/13/2024 | | | | |
| Lead | 0.538026 | 0.10 | 0.020 | 0.500000 | | 108 | 80 - 120 | | | |
| **Matrix Spike (B4H0571-MS1)** | | | **Source: 2401187-01** | | | Prepared: 8/7/2024 Analyzed: 8/9/2024 | | | | |
| Lead | 2.15162 | 0.10 | 0.020 | 0.500000 | 1.62716 | 105 | 75 - 125 | | | |
| **Matrix Spike Dup (B4H0571-MSD1)** | | | **Source: 2401187-01** | | | Prepared: 8/7/2024 Analyzed: 8/9/2024 | | | | |
| Lead | 2.17077 | 0.10 | 0.020 | 0.500000 | 1.62716 | 109 | 75 - 125 | 0.886 | 20 | |
| **Post Spike (B4H0571-PS1)** | | | **Source: 2401187-01** | | | Prepared: 8/7/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 2.14995 | | | 0.500000 | 1.62716 | 105 | 75 - 125 | | | |

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 ● Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instructio n: Complete all shaded areas .*

21 2401187

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:

Sample Conditions Upon Receipt

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

Company: **Parsons**

Address: 100 W. Walnut Street Tel:

City: Pasadena State: CA Zip: 91124 Fax:

SEND REPORT TO:

Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com

Company: Parsons

Address: 100 W. Walnut Street

City: Pasadena State: CA Zip: 91124

SEND INVOICE TO: ☐ same as SEND REPORT TO

Attn: Email:

Company:

Address:

City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential

Site Address: 928 Bernal Ave, Los Angeles

Project No.: 684735

Sampler: Joshua Cottingham

Quote #:

Site ID: ENA19

PO #:

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As, Pb,Sb,Cd,Cu,Zn) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Material: 1=Glass; 2=Plastic; 3=Metal | Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=C6H8O7+ZnAc2; 5=NaOH; 7=NaAsO2 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | ENA19-WC-A1A2 | ENA19-WC | 7/15/2024 | 1401 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | ENA19-WC-A1A2A3 | ENA19-WC | 7/15/2024 | 1403 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

Requested Analysis / Sample Matrix

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| [signature] | 7-15-24 | 1435 | [signature] | 7/15/24 | 1435 |
| [signature] | 7/15/24 | 1505 | [signature] | 7/15/24 | 1505 |
| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Thursday, August 1, 2024 2:04 PM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1439-WC-A1A2 (LAB REPORT 2401191): STLC for lead
2. D1439-WC-A1A2A3 (LAB REPORT 2401191): STLC for lead
3. PIA-07367-WC-A1A2 (LAB REPORT 2401189): STLC for lead
4. ENA-19-WC-A1A2 (LAB REPORT 2401187): STLC for lead
5. D1259-WC-A1A2 (LAB REPORT 2401197): STLC for lead
6. E03893-WC-A1A2 (LAB REPORT 2401195): STLC for lead
7. RP0838-WC-A1A2 (LAB REPORT 2401201): STLC and TCLP for lead
8. RP0838-WC-A1A2A3 (LAB REPORT 2401201): STLC and TCLP for lead
9. B0940-WC-A1A2A3 (LAB REPORT 2401199): STLC and TCLP for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# Sample Receiving Documents

# Sample Receipt Confirmation

**Work Order # 2401187**

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **ENA19 - 928 Bernal Ave., Los Angeles, CA 90023** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 08/08/2024 20:00 | Received in Lab: | 07/15/2024 15:05 |
| Received By: | Thoai Trinh | Method of Delivery: | ATL Courier |
| Logged In By: | Ethan Tran | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401187-01 ENA19-WC-A1A2 [Soil] Sampled 07/15/2024 14:01** | | | |
| 6010_STLC Ver: Pb | 08/08/2024 20:00 | 01/11/2025 00:00 | |
| 6010_Exide_6 Metals Ver: NONE | 08/08/2024 20:00 | 01/11/2025 00:00 | 1 |
| **2401187-02 ENA19-WC-A1A2A3 [Soil] Sampled 07/15/2024 14:03** | | | |
| 6010_Exide_6 Metals Ver: NONE | 08/08/2024 20:00 | 01/11/2025 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401187

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **ENA19 - 928 Bernal Ave., Los Angeles, CA 90023** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 17. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| ENA19-WC-A1A2 | 2401187-01 |
| ENA19-WC-A1A2A3 | 2401187-02 |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401187-01 | Laboratory ID: ENA19-WC-A1A2

Sampled: 07/15/24 14:01 | Prepared: 07/16/24 08:30 | Analyzed: 07/24/24 13:31

Batch: B4G0768 | Sequence: S4G0637 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 3.1 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 3.6 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 0.31 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 32 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 71 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 140 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil | Laboratory ID: 2401187-02 | Laboratory ID: ENA19-WC-A1A2A3

Sampled: 07/15/24 14:03 | Prepared: 07/16/24 08:30 | Analyzed: 07/24/24 13:33

Batch: B4G0768 | Sequence: S4G0637 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 2.2 | 0.77 | 2.0 | 1 | |
| 7440-38-2 | Arsenic | 3.0 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | ND | 0.06 | 1.0 | 1 | U |
| 7440-50-8 | Copper | 18 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 27 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 74 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401187 |
| Client: | Parsons | Project: | ENA19 - 928 Bernal Ave., Los Angeles, CA 900 |
| Batch: | B4G0768 Batch Matrix: Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| ENA19-WC-A1A2 | 2401187-01 | 07/16/24 08:30 | 1.00 | 50 |
| ENA19-WC-A1A2A3 | 2401187-02 | 07/16/24 08:30 | 1.00 | 50 |
| Blank | B4G0768-BLK1 | 07/15/24 17:29 | 1.00 | 50 |
| LCS | B4G0768-BS1 | 07/15/24 17:29 | 1.00 | 50 |
| Matrix Spike | B4G0768-MS1 | 07/15/24 17:29 | 1.00 | 50 |
| Matrix Spike Dup | B4G0768-MSD1 | 07/15/24 17:29 | 1.00 | 50 |
| Dilution Check | B4G0768-SRL1 | 07/15/24 17:29 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0768

**Extraction Method:** EPA 3050B_S

**Batch Start Date:** 07/22/2024 11:00 **Batch Analyst:** DL2

**Analysis Method:** EPA 6010B

**Batch End Date:** 07/22/2024 13:15

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401187-01 | ENA19-WC-A1A2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401187-02 | ENA19-WC-A1A2A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0768-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0768-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0768-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401190-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0768-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401190-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0768-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2401190-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4F0571 | 1:1 Nitric Acid | NA |
| A4G0395 | Hydrogen Peroxide | K54376509 |
| A4G0398 | Concentrated Nitric Acid | 240238 |
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |
| Dispenser ID | MPDISP02 | 347844 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Pipette | MPP01 | 22E77439 |
| Dispenser ID | MPDISP01 | 04K58398 |
| Thermometer ID | MPTHERM 09 | 935128 |
| Digestion Unit | DB01 | 4507CEC2139 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0768

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0768-BLK1 | Antimony | -0.318631 | 0.77 | 2.0 | 07/24/24 13:12 | U | EPA 6010B |
| | Arsenic | -0.353859 | 0.71 | 2.0 | 07/24/24 13:12 | U | EPA 6010B |
| | Cadmium | -1.21241 | 0.06 | 1.0 | 07/24/24 13:12 | U | EPA 6010B |
| | Copper | -0.789760 | 0.22 | 1.0 | 07/24/24 13:12 | U | EPA 6010B |
| | Lead | -0.880516 | 0.18 | 1.0 | 07/24/24 13:12 | U | EPA 6010B |
| | Zinc | -0.341980 | 0.30 | 2.0 | 07/24/24 13:12 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0768
Concentration Units: mg/kg
Laboratory ID: B4G0768-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 24.2930 | 25.0000 | 97.2 | | 80 - 120 |
| Arsenic | 24.1995 | 25.0000 | 96.8 | | 80 - 120 |
| Cadmium | 23.5918 | 25.0000 | 94.4 | | 80 - 120 |
| Copper | 24.1680 | 25.0000 | 96.7 | | 80 - 120 |
| Lead | 24.0650 | 25.0000 | 96.3 | | 80 - 120 |
| Zinc | 25.2632 | 25.0000 | 101 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0768
Concentration Units: mg/kg
Source Sample Name: **2401190-01**

Laboratory ID: B4G0768-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Antimony | 3.62872 | 24.2832 | 25.0000 | 82.6 | | 75 - 125 |
| Arsenic | 4.49148 | 27.5002 | 25.0000 | 92.0 | | 75 - 125 |
| Cadmium | ND | 24.2051 | 25.0000 | 96.8 | | 75 - 125 |
| Copper | 24.2747 | 47.5972 | 25.0000 | 93.3 | | 75 - 125 |
| Lead | 78.5781 | 76.8227 | 25.0000 | -7.02 | M2 | 75 - 125 |
| Zinc | 150.220 | 134.345 | 25.0000 | -63.5 | M2 | 75 - 125 |

Laboratory ID: B4G0768-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Antimony | 21.8707 | 73.0 | 10.5 | 25.0000 | M2 | 20 | 75 - 125 |
| Arsenic | 27.3175 | 91.3 | 0.667 | 25.0000 | | 20 | 75 - 125 |
| Cadmium | 24.2591 | 97.0 | 0.223 | 25.0000 | | 20 | 75 - 125 |
| Copper | 48.3232 | 96.2 | 1.51 | 25.0000 | | 20 | 75 - 125 |
| Lead | 76.3491 | -8.92 | 0.618 | 25.0000 | M2 | 20 | 75 - 125 |
| Zinc | 136.348 | -55.5 | 1.48 | 25.0000 | M2 | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0768

Concentration Units: mg/L

Source Sample Name: **2401190-01**

Laboratory ID: B4G0768-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0768-PS1 | | | | | | |
| Antimony | 0.072574 | 0.401840 | 0.500000 | 65.9 | M2 | 75 - 125 |
| Arsenic | 0.089830 | 0.528428 | 0.500000 | 87.7 | | 75 - 125 |
| Cadmium | 0.000923 | 0.483751 | 0.500000 | 96.6 | | 75 - 125 |
| Copper | 0.485493 | 0.964610 | 0.500000 | 95.8 | | 75 - 125 |
| Lead | 1.57156 | 1.56805 | 0.500000 | -0.703 | M2 | 75 - 125 |
| Zinc | 3.00440 | 2.66824 | 0.500000 | -67.2 | M2 | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4G0637

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4G0637-IBL1 | 240724-01 RR2-001 | 07/24/24 11:25 |
| Cal Standard | S4G0637-CAL1 | 240724-01 RR2-002 | 07/24/24 11:28 |
| Cal Standard | S4G0637-CAL2 | 240724-01 RR2-003 | 07/24/24 11:30 |
| Cal Standard | S4G0637-CAL3 | 240724-01 RR2-004 | 07/24/24 11:32 |
| Cal Standard | S4G0637-CAL4 | 240724-01 RR2-005 | 07/24/24 11:35 |
| Cal Standard | S4G0637-CAL5 | 240724-01 RR2-006 | 07/24/24 11:37 |
| Cal Standard | S4G0637-CAL6 | 240724-01 RR2-007 | 07/24/24 11:39 |
| Cal Standard | S4G0637-CAL7 | 240724-01 RR2-008 | 07/24/24 11:41 |
| Initial Cal Check | S4G0637-ICV1 | 240724-01 RR2-009 | 07/24/24 11:49 |
| Initial Cal Blank | S4G0637-ICB1 | 240724-01 RR2-010 | 07/24/24 11:50 |
| Interference Check A | S4G0637-IFA1 | 240724-01 RR2-012 | 07/24/24 12:00 |
| Interference Check B | S4G0637-IFB1 | 240724-01 RR2-013 | 07/24/24 12:02 |
| Calibration Check | S4G0637-CCV1 | 240724-01 RR2-014 | 07/24/24 13:08 |
| Calibration Blank | S4G0637-CCB1 | 240724-01 RR2-015 | 07/24/24 13:10 |
| Blank | B4G0768-BLK1 | 240724-01 RR2-016 | 07/24/24 13:12 |
| LCS | B4G0768-BS1 | 240724-01 RR2-017 | 07/24/24 13:20 |
| Matrix Spike | B4G0768-MS1 | 240724-01 RR2-018 | 07/24/24 13:22 |
| Matrix Spike Dup | B4G0768-MSD1 | 240724-01 RR2-019 | 07/24/24 13:24 |
| Post Spike | B4G0768-PS1 | 240724-01 RR2-020 | 07/24/24 13:26 |
| Dilution Check | B4G0768-SRL1 | 240724-01 RR2-021 | 07/24/24 13:28 |
| ENA19-WC-A1A2 | 2401187-01 | 240724-01 RR2-022 | 07/24/24 13:31 |
| ENA19-WC-A1A2A3 | 2401187-02 | 240724-01 RR2-023 | 07/24/24 13:33 |
| Calibration Check | S4G0637-CCV2 | 240724-01 RR2-026 | 07/24/24 13:39 |
| Calibration Blank | S4G0637-CCB2 | 240724-01 RR2-027 | 07/24/24 13:41 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16
ICV Source: A4G0424
Concentration Units: mg/L
CCV Source: A4G0421

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4G0637-ICV1 | Antimony | 0.500000 | 0.498742 | 99.7 | 07/24/24 11:49 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.510534 | 102 | 07/24/24 11:49 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.506751 | 101 | 07/24/24 11:49 | +/- 10.00% |
| | Copper | 0.500000 | 0.502838 | 101 | 07/24/24 11:49 | +/- 10.00% |
| | Lead | 0.500000 | 0.525030 | 105 | 07/24/24 11:49 | +/- 10.00% |
| | Zinc | 0.500000 | 0.539127 | 108 | 07/24/24 11:49 | +/- 10.00% |
| S4G0637-CCV1 | Antimony | 2.00000 | 1.96147 | 98.1 | 07/24/24 13:08 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.03888 | 102 | 07/24/24 13:08 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.10413 | 105 | 07/24/24 13:08 | +/- 10.00% |
| | Copper | 2.00000 | 2.13943 | 107 | 07/24/24 13:08 | +/- 10.00% |
| | Lead | 2.00000 | 2.04107 | 102 | 07/24/24 13:08 | +/- 10.00% |
| | Zinc | 2.00000 | 2.06377 | 103 | 07/24/24 13:08 | +/- 10.00% |
| S4G0637-CCV2 | Antimony | 2.00000 | 1.94557 | 97.3 | 07/24/24 13:39 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.01696 | 101 | 07/24/24 13:39 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.11904 | 106 | 07/24/24 13:39 | +/- 10.00% |
| | Copper | 2.00000 | 2.15913 | 108 | 07/24/24 13:39 | +/- 10.00% |
| | Lead | 2.00000 | 2.02587 | 101 | 07/24/24 13:39 | +/- 10.00% |
| | Zinc | 2.00000 | 2.04325 | 102 | 07/24/24 13:39 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4G0637

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4G0637-ICB1 | Antimony | 0.001776 | 0.02 | 0.04 | 07/24/24 11:50 | | EPA 6010B |
| | Arsenic | 0.000458 | 0.01 | 0.04 | 07/24/24 11:50 | | EPA 6010B |
| | Cadmium | -0.020357 | 0.001 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Copper | -0.019041 | 0.004 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Lead | -0.008745 | 0.004 | 0.02 | 07/24/24 11:50 | U | EPA 6010B |
| | Zinc | -0.005248 | 0.006 | 0.04 | 07/24/24 11:50 | U | EPA 6010B |
| S4G0637-CCB1 | Antimony | -0.000831 | 0.02 | 0.04 | 07/24/24 13:10 | U | EPA 6010B |
| | Arsenic | 0.000605 | 0.01 | 0.04 | 07/24/24 13:10 | | EPA 6010B |
| | Cadmium | -0.023831 | 0.001 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Copper | -0.017424 | 0.004 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Lead | -0.017219 | 0.004 | 0.02 | 07/24/24 13:10 | U | EPA 6010B |
| | Zinc | -0.005160 | 0.006 | 0.04 | 07/24/24 13:10 | U | EPA 6010B |
| S4G0637-CCB2 | Antimony | -0.009456 | 0.02 | 0.04 | 07/24/24 13:41 | U | EPA 6010B |
| | Arsenic | 0.005421 | 0.01 | 0.04 | 07/24/24 13:41 | | EPA 6010B |
| | Cadmium | -0.023914 | 0.001 | 0.02 | 07/24/24 13:41 | U | EPA 6010B |
| | Copper | -0.015404 | 0.004 | 0.02 | 07/24/24 13:41 | U | EPA 6010B |
| | Lead | -0.017566 | 0.004 | 0.02 | 07/24/24 13:41 | U | EPA 6010B |
| | Zinc | -0.004007 | 0.006 | 0.04 | 07/24/24 13:41 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0637-IFA1 | Antimony | | -0.00217 | mg/L | | <0.04 | 7/24/24 12:00 |
| | Arsenic | | -0.00089 | mg/L | | <0.04 | 7/24/24 12:00 |
| | Cadmium | | -0.01725 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Copper | | -0.02703 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Lead | | -0.04925 | mg/L | | <0.02 | 7/24/24 12:00 |
| | Zinc | | -0.01337 | mg/L | | <0.04 | 7/24/24 12:00 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4G0637
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4G0637-IFB1 | Antimony | 0.500000 | 0.46998 | mg/L | 6 | ±20.00 % | 7/24/24 12:02 |
| | Arsenic | 0.500000 | 0.45654 | mg/L | 9 | ±20.00 % | 7/24/24 12:02 |
| | Cadmium | 0.500000 | 0.48402 | mg/L | 3 | ±20.00 % | 7/24/24 12:02 |
| | Copper | 0.500000 | 0.50106 | mg/L | 0 | ±20.00 % | 7/24/24 12:02 |
| | Lead | 0.500000 | 0.44701 | mg/L | 11 | ±20.00 % | 7/24/24 12:02 |
| | Zinc | 0.500000 | 0.44541 | mg/L | 11 | ±20.00 % | 7/24/24 12:02 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

# Sample Data

# ANALYSIS DATA SHEET
# WET/EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil  Laboratory ID: 2401187-01  Laboratory ID: ENA19-WC-A1A2

Sampled: 07/15/24 14:01  Prepared: 08/07/24 17:37  Analyzed: 08/09/24 14:46

Batch: B4H0571  Sequence: S4H0423  Instrument: ICP-16

Preparation: STLC_S Extraction  Method: WET/EPA 6010B  Concentration Units: mg/L

Leach Batch: B4H0527  Leach Method: STLC_S Extraction

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 1.6 | 0.020 | 0.10 | 5 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | | | Work Order: | 2401187 |
| Client: | Parsons | | | Project: | ENA19 - 928 Bernal Ave., Los Angeles, CA 900 |
| Batch: | B4H0571 | Batch Matrix: | Soil | Preparation: | STLC_S Extraction |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| ENA19-WC-A1A2 | 2401187-01 | 08/07/24 17:37 | 25.00 | 25 |
| Blank | B4H0571-BLK1 | 08/07/24 17:37 | 25.00 | 25 |
| LCS | B4H0571-BS1 | 08/07/24 17:37 | 25.00 | 25 |
| Matrix Spike | B4H0571-MS1 | 08/07/24 17:37 | 25.00 | 25 |
| Matrix Spike Dup | B4H0571-MSD1 | 08/07/24 17:37 | 25.00 | 25 |
| Dilution Check | B4H0571-SRL1 | 08/07/24 17:37 | 25.00 | 25 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4H0571

**Extraction Method:** STLC_S Extraction

**Batch Start Date:**

**Batch Analyst:** CH

**Analysis Method:** WET/EPA 6010B

**Batch End Date:**

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401187-01 | ENA19-WC-A1A2 | 25.00 | 25.00 | | | | | | | | |
| B4H0571-BLK1 | Blank | 25.00 | 25.00 | | | | | | | | |
| B4H0571-BS1 | LCS | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | | | | | | |
| B4H0571-MS1 | Matrix Spike | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401187-01 | | | | | |
| B4H0571-MSD1 | Matrix Spike Dup | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401187-01 | | | | | |
| B4H0571-SRL1 | Dilution Check | 25.00 | 25.00 | | | 2401187-01 | | | | | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|

# METHOD BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0571

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4H0571-BLK1 | Lead | -0.202257 | 0.020 | 0.10 | 08/9/24 14:36 | U | WET/EPA 6010B |

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4H0423

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0423-IBL1 | 240809-01 RR-001 | 08/09/24 11:34 |
| Cal Standard | S4H0423-CAL1 | 240809-01 RR-002 | 08/09/24 11:37 |
| Cal Standard | S4H0423-CAL2 | 240809-01 RR-003 | 08/09/24 11:39 |
| Cal Standard | S4H0423-CAL3 | 240809-01 RR-004 | 08/09/24 11:42 |
| Cal Standard | S4H0423-CAL4 | 240809-01 RR-005 | 08/09/24 11:44 |
| Cal Standard | S4H0423-CAL5 | 240809-01 RR-006 | 08/09/24 11:46 |
| Cal Standard | S4H0423-CAL6 | 240809-01 RR-007 | 08/09/24 11:48 |
| Cal Standard | S4H0423-CAL7 | 240809-01 RR-008 | 08/09/24 11:50 |
| Initial Cal Check | S4H0423-ICV1 | 240809-01 RR-009 | 08/09/24 12:06 |
| Initial Cal Blank | S4H0423-ICB1 | 240809-01 RR-010 | 08/09/24 12:09 |
| Interference Check A | S4H0423-IFA1 | 240809-01 RR-012 | 08/09/24 12:16 |
| Interference Check B | S4H0423-IFB1 | 240809-01 RR-013 | 08/09/24 12:17 |
| Calibration Check | S4H0423-CCV1 | 240809-01 RR-014 | 08/09/24 12:24 |
| Calibration Blank | S4H0423-CCB1 | 240809-01 RR-015 | 08/09/24 12:26 |
| Calibration Check | S4H0423-CCV4 | 240809-01 RR-062 | 08/09/24 14:25 |
| Calibration Blank | S4H0423-CCB4 | 240809-01 RR-063 | 08/09/24 14:27 |
| Blank | B4H0571-BLK1 | 240809-01 RR-067 | 08/09/24 14:36 |
| ENA19-WC-A1A2 | B4H0571-MS1 | 240809-01 RR-069 | 08/09/24 14:41 |
| ENA19-WC-A1A2 | B4H0571-MSD1 | 240809-01 RR-070 | 08/09/24 14:44 |
| ENA19-WC-A1A2 | 2401187-01 | 240809-01 RR-071 | 08/09/24 14:46 |
| Calibration Check | S4H0423-CCV5 | 240809-01 RR-074 | 08/09/24 14:53 |
| Calibration Blank | S4H0423-CCB5 | 240809-01 RR-075 | 08/09/24 14:55 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0571

Concentration Units: mg/L

Source Sample Name: **2401187-01**

Laboratory ID: B4H0571-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Lead | 1.62716 | 2.15162 | 0.500000 | 105 | | 75 - 125 |

Laboratory ID: B4H0571-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Lead | 2.17077 | 109 | 0.886 | 0.500000 | | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0571

Concentration Units: mg/L

Source Sample Name: **2401187-01**

Laboratory ID: B4H0571-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4H0571-PS1 | | | | | | |
| Lead | 1.62716 | 2.14995 | 0.500000 | 105 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4H0423

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0423-IBL1 | 240809-01 RR-001 | 08/09/24 11:34 |
| Cal Standard | S4H0423-CAL1 | 240809-01 RR-002 | 08/09/24 11:37 |
| Cal Standard | S4H0423-CAL2 | 240809-01 RR-003 | 08/09/24 11:39 |
| Cal Standard | S4H0423-CAL3 | 240809-01 RR-004 | 08/09/24 11:42 |
| Cal Standard | S4H0423-CAL4 | 240809-01 RR-005 | 08/09/24 11:44 |
| Cal Standard | S4H0423-CAL5 | 240809-01 RR-006 | 08/09/24 11:46 |
| Cal Standard | S4H0423-CAL6 | 240809-01 RR-007 | 08/09/24 11:48 |
| Cal Standard | S4H0423-CAL7 | 240809-01 RR-008 | 08/09/24 11:50 |
| Initial Cal Check | S4H0423-ICV1 | 240809-01 RR-009 | 08/09/24 12:06 |
| Initial Cal Blank | S4H0423-ICB1 | 240809-01 RR-010 | 08/09/24 12:09 |
| Interference Check A | S4H0423-IFA1 | 240809-01 RR-012 | 08/09/24 12:16 |
| Interference Check B | S4H0423-IFB1 | 240809-01 RR-013 | 08/09/24 12:17 |
| Calibration Check | S4H0423-CCV1 | 240809-01 RR-014 | 08/09/24 12:24 |
| Calibration Blank | S4H0423-CCB1 | 240809-01 RR-015 | 08/09/24 12:26 |
| Calibration Check | S4H0423-CCV4 | 240809-01 RR-062 | 08/09/24 14:25 |
| Calibration Blank | S4H0423-CCB4 | 240809-01 RR-063 | 08/09/24 14:27 |
| Blank | B4H0571-BLK1 | 240809-01 RR-067 | 08/09/24 14:36 |
| ENA19-WC-A1A2 | B4H0571-MS1 | 240809-01 RR-069 | 08/09/24 14:41 |
| ENA19-WC-A1A2 | B4H0571-MSD1 | 240809-01 RR-070 | 08/09/24 14:44 |
| ENA19-WC-A1A2 | 2401187-01 | 240809-01 RR-071 | 08/09/24 14:46 |
| Calibration Check | S4H0423-CCV5 | 240809-01 RR-074 | 08/09/24 14:53 |
| Calibration Blank | S4H0423-CCB5 | 240809-01 RR-075 | 08/09/24 14:55 |

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4H0455

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0455-IBL1 | 240813-02 RR-001 | 08/13/24 17:33 |
| Cal Standard | S4H0455-CAL1 | 240813-02 RR-002 | 08/13/24 17:36 |
| Cal Standard | S4H0455-CAL2 | 240813-02 RR-003 | 08/13/24 17:38 |
| Cal Standard | S4H0455-CAL3 | 240813-02 RR-004 | 08/13/24 17:40 |
| Cal Standard | S4H0455-CAL4 | 240813-02 RR-005 | 08/13/24 17:43 |
| Cal Standard | S4H0455-CAL5 | 240813-02 RR-006 | 08/13/24 17:45 |
| Cal Standard | S4H0455-CAL6 | 240813-02 RR-007 | 08/13/24 17:47 |
| Cal Standard | S4H0455-CAL7 | 240813-02 RR-008 | 08/13/24 17:49 |
| Initial Cal Check | S4H0455-ICV1 | 240813-02 RR-009 | 08/13/24 17:56 |
| Initial Cal Blank | S4H0455-ICB1 | 240813-02 RR-010 | 08/13/24 17:58 |
| Interference Check A | S4H0455-IFA1 | 240813-02 RR-012 | 08/13/24 18:04 |
| Interference Check B | S4H0455-IFB1 | 240813-02 RR-013 | 08/13/24 18:06 |
| Calibration Check | S4H0455-CCV1 | 240813-02 RR-026 | 08/13/24 18:57 |
| Calibration Blank | S4H0455-CCB1 | 240813-02 RR-027 | 08/13/24 18:59 |
| LCS | B4H0571-BS1 | 240813-02 RR-032 | 08/13/24 19:11 |
| Calibration Check | S4H0455-CCV2 | 240813-02 RR-036 | 08/13/24 19:25 |
| Calibration Blank | S4H0455-CCB2 | 240813-02 RR-037 | 08/13/24 19:27 |

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

Sequence: S4H0472

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0472-IBL1 | 240814-01 RR-001 | 08/14/24 10:53 |
| Cal Standard | S4H0472-CAL1 | 240814-01 RR-002 | 08/14/24 10:56 |
| Cal Standard | S4H0472-CAL2 | 240814-01 RR-003 | 08/14/24 10:58 |
| Cal Standard | S4H0472-CAL3 | 240814-01 RR-004 | 08/14/24 11:00 |
| Cal Standard | S4H0472-CAL4 | 240814-01 RR-005 | 08/14/24 11:03 |
| Cal Standard | S4H0472-CAL5 | 240814-01 RR-006 | 08/14/24 11:05 |
| Cal Standard | S4H0472-CAL6 | 240814-01 RR-007 | 08/14/24 11:07 |
| Cal Standard | S4H0472-CAL7 | 240814-01 RR-008 | 08/14/24 11:09 |
| Initial Cal Check | S4H0472-ICV1 | 240814-01 RR-009 | 08/14/24 11:20 |
| Initial Cal Blank | S4H0472-ICB1 | 240814-01 RR-010 | 08/14/24 11:22 |
| Interference Check A | S4H0472-IFA1 | 240814-01 RR-012 | 08/14/24 11:28 |
| Interference Check B | S4H0472-IFB1 | 240814-01 RR-013 | 08/14/24 11:30 |
| Calibration Check | S4H0472-CCV1 | 240814-01 RR-014 | 08/14/24 11:38 |
| Calibration Blank | S4H0472-CCB1 | 240814-01 RR-015 | 08/14/24 11:40 |
| Calibration Check | S4H0472-CCVI | 240814-01 RR-253 | 08/14/24 20:54 |
| Calibration Blank | S4H0472-CCBI | 240814-01 RR-254 | 08/14/24 20:56 |
| ENA19-WC-A1A2 | B4H0571-PS1 | 240814-01 RR-264 | 08/14/24 21:19 |
| Calibration Check | S4H0472-CCVJ | 240814-01 RR-265 | 08/14/24 21:22 |
| Calibration Blank | S4H0472-CCBJ | 240814-01 RR-266 | 08/14/24 21:24 |
| ENA19-WC-A1A2 | B4H0571-SRL1 | 240814-01 RR-267 | 08/14/24 21:26 |
| Calibration Check | S4H0472-CCVK | 240814-01 RR-277 | 08/14/24 21:50 |
| Calibration Blank | S4H0472-CCBK | 240814-01 RR-278 | 08/14/24 21:53 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0423
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4G0525

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0423-ICV1 | Lead | 0.500000 | 0.524432 | 105 | 08/09/24 12:06 | +/- 10.00% |
| S4H0423-CCV1 | Lead | 2.00000 | 2.02457 | 101 | 08/09/24 12:24 | +/- 10.00% |
| S4H0423-CCV4 | Lead | 2.00000 | 1.98418 | 99.2 | 08/09/24 14:25 | +/- 10.00% |
| S4H0423-CCV5 | Lead | 2.00000 | 1.98223 | 99.1 | 08/09/24 14:53 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0455
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0455-ICV1 | Lead | 0.500000 | 0.527465 | 105 | 08/13/24 17:56 | +/- 10.00% |
| S4H0455-CCV1 | Lead | 2.00000 | 1.98452 | 99.2 | 08/13/24 18:57 | +/- 10.00% |
| S4H0455-CCV2 | Lead | 2.00000 | 2.00086 | 100 | 08/13/24 19:25 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0472
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0472-ICV1 | Lead | 0.500000 | 0.527184 | 105 | 08/14/24 11:20 | +/- 10.00% |
| S4H0472-CCV1 | Lead | 2.00000 | 1.98890 | 99.4 | 08/14/24 11:38 | +/- 10.00% |
| S4H0472-CCVI | Lead | 2.00000 | 1.96174 | 98.1 | 08/14/24 20:54 | +/- 10.00% |
| S4H0472-CCVJ | Lead | 2.00000 | 1.94340 | 97.2 | 08/14/24 21:22 | +/- 10.00% |
| S4H0472-CCVK | Lead | 2.00000 | 1.92082 | 96.0 | 08/14/24 21:50 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0423

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0423-ICB1 | Lead | -0.029312 | 0.0041 | 0.020 | 08/9/24 12:09 | U | WET/EPA 6010B |
| S4H0423-CCB1 | Lead | -0.031805 | 0.0041 | 0.020 | 08/9/24 12:26 | U | WET/EPA 6010B |
| S4H0423-CCB4 | Lead | -0.038290 | 0.0041 | 0.020 | 08/9/24 14:27 | U | WET/EPA 6010B |
| S4H0423-CCB5 | Lead | -0.041451 | 0.0041 | 0.020 | 08/9/24 14:55 | U | WET/EPA 6010B |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0455

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0455-ICB1 | Lead | 0.002019 | 0.0041 | 0.020 | 08/13/24 17:58 | | WET/EPA 6010B |
| S4H0455-CCB1 | Lead | -0.002293 | 0.0041 | 0.020 | 08/13/24 18:59 | U | WET/EPA 6010B |
| S4H0455-CCB2 | Lead | 0.003004 | 0.0041 | 0.020 | 08/13/24 19:27 | | WET/EPA 6010B |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0472

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0472-ICB1 | Lead | 0.007855 | 0.0041 | 0.020 | 08/14/24 11:22 | 16, Q | WET/EPA 6010B |
| S4H0472-CCB1 | Lead | 0.008591 | 0.0041 | 0.020 | 08/14/24 11:40 | 3, B | WET/EPA 6010B |
| S4H0472-CCBI | Lead | 0.002873 | 0.0041 | 0.020 | 08/14/24 20:56 | | WET/EPA 6010B |
| S4H0472-CCBJ | Lead | 0.001220 | 0.0041 | 0.020 | 08/14/24 21:24 | | WET/EPA 6010B |
| S4H0472-CCBK | Lead | 0.001927 | 0.0041 | 0.020 | 08/14/24 21:53 | | WET/EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0423
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0423-IFA1 | Lead | | -0.05526 | mg/L | | <0.02 | 8/9/24 12:16 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0423
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0423-IFB1 | Lead | 0.500000 | 0.44761 | mg/L | 11 | ±20.00 % | 8/9/24 12:17 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0455
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0455-IFA1 | Lead | | -0.01547 | mg/L | | <0.02 | 8/13/24 18:04 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0455
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0455-IFB1 | Lead | 0.500000 | 0.43829 | mg/L | 12 | ±20.00 % | 8/13/24 18:06 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0472
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0472-IFA1 | Lead | | 0.00074 | mg/L | | <0.02 | 8/14/24 11:28 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: ENA19 - 928 Bernal Ave., Los Angeles, CA 90023
Sequence: S4H0472
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0472-IFB1 | Lead | 0.500000 | 0.49434 | mg/L | 1 | ±20.00 % | 8/14/24 11:30 |

# METHOD DETECTION AND REPORTING LIMITS
# WET/EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** ENA19 - 928 Bernal Ave., Los Angeles, CA 90023

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 ● Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instructio n: Complete all shaded areas .*

21 2401187

For Laboratory Use Only ATLCOC Ver:20210101

**Method of Transport**: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other:

**Sample Conditions Upon Receipt**

| Condition | Y | N | Condition | Y | N |
|---|---|---|---|---|---|
| 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

Company: **Parsons**
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124
Tel:
Fax:

SEND REPORT TO:
Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com
Company: Parsons
Address: 100 W. Walnut Street
City: Pasadena State: CA Zip: 91124

SEND INVOICE TO: ☐ same as SEND REPORT TO
Attn: Email:
Company:
Address:
City: State: Zip:

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____
QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

Project Name: DTSC Exide Residential
Site Address: 928 Bernal Ave, Los Angeles
Project No.: 684735
Sampler: Joshua Cottingham
Quote #:
Site ID: ENA19
PO #:

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Metals (As, Pb,Sb,Cd,Cu,Zn) | Lead (6010B) | Soil | Turnaround Time (TAT) | Container: Quantity | Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Container: Material: 1=Glass; 2=Plastic; 3=Metal | Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=C6H5Zn(OAc)2; 5=NaOH; 7=NaAsO2 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | ENA19-WC-A1A2 | ENA19-WC | 7/15/2024 | 1401 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | ENA19-WC-A1A2A3 | ENA19-WC | 7/15/2024 | 1403 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|
| Joshua Cottingham | 7-15-24 | 1435 | EY | 7/15/24 | 1435 |
| EY | 7/15/24 | 1505 | Jason | 7/15/24 | 1505 |
| | | | | | |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Thursday, August 1, 2024 2:04 PM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Please run the following on a standard turnaround time:

1. D1439-WC-A1A2 (LAB REPORT 2401191): STLC for lead
2. D1439-WC-A1A2A3 (LAB REPORT 2401191): STLC for lead
3. PIA-07367-WC-A1A2 (LAB REPORT 2401189): STLC for lead
4. ENA-19-WC-A1A2 (LAB REPORT 2401187): STLC for lead
5. D1259-WC-A1A2 (LAB REPORT 2401197): STLC for lead
6. E03893-WC-A1A2 (LAB REPORT 2401195): STLC for lead
7. RP0838-WC-A1A2 (LAB REPORT 2401201): STLC and TCLP for lead
8. RP0838-WC-A1A2A3 (LAB REPORT 2401201): STLC and TCLP for lead
9. B0940-WC-A1A2A3 (LAB REPORT 2401199): STLC and TCLP for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0417
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0417 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0473 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0418
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0418 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0472 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0419
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0419 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0420
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0420 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0470 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0421
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0421 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0422
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0422 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0468 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0423
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0423 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4C0439 | na | 200.0000 |
| A3J0570 | 2325728-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0424
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/11/2024
**Date Expires:** 07/25/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0424 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0432
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/15/2024
**Date Expires:** 07/29/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0432 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3J0482 | 2222032-100 | 3.0000 |
| A0B0014 | 220015067 | 0.1500 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0436
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0438
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/17/2024
**Date Expires:** 07/31/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0438 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0436 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0505
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0505 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4F0560 | 2334620-100 | 0.1500 |
| A3J0482 | 2222032-100 | 3.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0521
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0521 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0522 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0522
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0522 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0523 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0523
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0523 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0525 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0524
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0524 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0525 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0525
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0525 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0527 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0526
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0526 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0527 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0527
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0527 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0507 | na | 200.0000 |
| A4F0561 | 2413109-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0528
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0528 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0504 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0394
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/07/2024
**Date Expires:** 08/21/2024
**Prepared by:** Juan Flores
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0394 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0434
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0434 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0435
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/26/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4H0435 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4F0560 | 2334620-100 | 0.1500 |
| A3J0482 | 2222032-100 | 3.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0436
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/21/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4H0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0394 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0457
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4H0457 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0443 | na | 200.0000 |
| A4F0561 | 2413109-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0458
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0458 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0457 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0459
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0459 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0457 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0460
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0460 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0459 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0461
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0461 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0459 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0462
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0462 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0461 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0463
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0463 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0462 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# Report Prepared For:

## Parsons

# Client Project Description:
D1543 - 4647 E 59th Pl, Maywood, CA 90270

# ATL Work Order: 2401268

Date of Preparation: 08-06-2024

ATL is an analytical laboratory accredited by:

- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401268


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August 06, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401268

Client Reference : D1543 - 4647 E 59th Pl, Maywood, CA 90270

Enclosed are the results for sample(s) received on July 26, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/06/24 07:57 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/06/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| D1543-WC-A1A2 | 2401268-01 | Soil | 7/26/24 13:30 | 7/26/24 14:11 |
| D1543-WC-A1A2A3 | 2401268-02 | Soil | 7/26/24 13:34 | 7/26/24 14:11 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/06/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on July 26th, 2024 at 14:11. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/06/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| B13 | Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/06/2024 |

## Client Sample ID: D1543-WC-A1A2
## Lab ID: 2401268-01

**Total Metals by ICP-AES EPA 6010B** — **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 2.0 | 0.77 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | U |
| **Arsenic** | **2.4** | 2.0 | 0.71 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | |
| **Cadmium** | **0.89** | 1.0 | 0.06 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | J |
| **Copper** | **22** | 1.0 | 0.22 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | |
| **Lead** | **74** | 1.0 | 0.18 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | |
| **Zinc** | **110** | 2.0 | 0.30 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | |

## Client Sample ID: D1543-WC-A1A2A3
## Lab ID: 2401268-02

**Total Metals by ICP-AES EPA 6010B** — **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **1.7** | 2.0 | 0.77 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | J |
| **Arsenic** | **1.9** | 2.0 | 0.71 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | J |
| **Cadmium** | **0.67** | 1.0 | 0.06 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | J |
| **Copper** | **22** | 1.0 | 0.22 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | |
| **Lead** | **65** | 1.0 | 0.18 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | |
| **Zinc** | **92** | 2.0 | 0.30 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/06/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0995 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4G0995-BLK1)** | | | | | | Prepared: 7/29/2024 Analyzed: 8/2/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | ND | 1.0 | 0.22 | | | | | | | U |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4G0995-BS1)** | | | | | | Prepared: 7/29/2024 Analyzed: 8/2/2024 | | | | |
| Antimony | 23.9269 | 2.0 | 0.77 | 25.0000 | | 95.7 | 80 - 120 | | | |
| Arsenic | 25.3056 | 2.0 | 0.71 | 25.0000 | | 101 | 80 - 120 | | | |
| Cadmium | 23.0076 | 1.0 | 0.06 | 25.0000 | | 92.0 | 80 - 120 | | | |
| Copper | 23.3024 | 1.0 | 0.22 | 25.0000 | | 93.2 | 80 - 120 | | | |
| Lead | 23.4384 | 1.0 | 0.18 | 25.0000 | | 93.8 | 80 - 120 | | | |
| Zinc | 24.7254 | 2.0 | 0.30 | 25.0000 | | 98.9 | 80 - 120 | | | |
| **Matrix Spike (B4G0995-MS1)** | | | **Source: 2401267-01** | | | Prepared: 7/29/2024 Analyzed: 8/2/2024 | | | | |
| Antimony | 20.3066 | 2.0 | 0.77 | 25.0000 | 0.996070 | 77.2 | 75 - 125 | | | |
| Arsenic | 25.4820 | 2.0 | 0.71 | 25.0000 | 1.18180 | 97.2 | 75 - 125 | | | |
| Cadmium | 24.0570 | 1.0 | 0.06 | 25.0000 | 0.444469 | 94.5 | 75 - 125 | | | |
| Copper | 38.0482 | 1.0 | 0.22 | 25.0000 | 12.4302 | 102 | 75 - 125 | | | |
| Lead | 34.4912 | 1.0 | 0.18 | 25.0000 | 6.66963 | 111 | 75 - 125 | | | |
| Zinc | 75.0390 | 2.0 | 0.30 | 25.0000 | 43.3433 | 127 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4G0995-MSD1)** | | | **Source: 2401267-01** | | | Prepared: 7/29/2024 Analyzed: 8/2/2024 | | | | |
| Antimony | 20.0126 | 2.0 | 0.77 | 25.0000 | 0.996070 | 76.1 | 75 - 125 | 1.46 | 20 | |
| Arsenic | 25.7403 | 2.0 | 0.71 | 25.0000 | 1.18180 | 98.2 | 75 - 125 | 1.01 | 20 | |
| Cadmium | 24.3366 | 1.0 | 0.06 | 25.0000 | 0.444469 | 95.6 | 75 - 125 | 1.16 | 20 | |
| Copper | 38.5400 | 1.0 | 0.22 | 25.0000 | 12.4302 | 104 | 75 - 125 | 1.28 | 20 | |
| Lead | 33.6382 | 1.0 | 0.18 | 25.0000 | 6.66963 | 108 | 75 - 125 | 2.50 | 20 | |
| Zinc | 74.8428 | 2.0 | 0.30 | 25.0000 | 43.3433 | 126 | 75 - 125 | 0.262 | 20 | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/06/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0995 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4G0995-PS1)** | | | **Source: 2401267-01** | | Prepared: 7/29/2024 Analyzed: 8/2/2024 | | | | |
| Antimony | 0.404133 | | 0.500000 | 0.019921 | 76.8 | 75 - 125 | | | |
| Arsenic | 0.485011 | | 0.500000 | 0.023636 | 92.3 | 75 - 125 | | | |
| Cadmium | 0.483984 | | 0.500000 | 0.008889 | 95.0 | 75 - 125 | | | |
| Copper | 0.773538 | | 0.500000 | 0.248605 | 105 | 75 - 125 | | | |
| Lead | 0.708430 | | 0.500000 | 0.133393 | 115 | 75 - 125 | | | |
| Zinc | 1.54600 | | 0.500000 | 0.866866 | 136 | 75 - 125 | | | M2 |

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 2401268

For Laboratory Use Only ATLCOC Ver:20210101

| Method of Transport | Sample Conditions Upon Receipt | | | | | |
|---|---|---|---|---|---|---|
| | Condition | Y | N | Condition | Y | N |
| ☐ Client ☐ ATL | 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| ☐ FedEx ☐ OnTrac | 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| ☐ ESO | 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| ☐ Other: _____ | 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | Address: 100 W. Walnut Street | | | Tel: | |
| | City: Pasadena | State: CA | Zip: 91124 | Fax: | |

| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO |
|---|---|
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: Email: |
| Company: Parsons | Company: |
| Address: 100 W. Walnut Street | Address: |
| City: Pasadena State: CA Zip: 91124 | City: State: Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

| | | |
|---|---|---|
| Project Name: DTSC Exide Residential | Quote #: | |
| Site Address: 4647 E 59th Pl, Maywood CA 90270 | Site ID: D1S43 | |
| Project No.: 684735 | PO #: | |
| Sampler: Brenda B | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Requested Analysis: Metals (As,Pb,Cd,Cu,Zn,Sb) | Requested Analysis: Lead (6010B) | Sample Matrix: Soil | Turnaround Time (TAT) | Container: Quantity | Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Container: Material: 1=Glass; 2=Plastic; 3=Metal | Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C-5=ZnAc2-6=NaOH; 7=NA2S2O3 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | D1543-WC-A1A2 | D1543-WC | 7/26/2024 | 1330 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | D1543-WC-A1A2A3 | D1543-WC | 7/26/2024 | 1334 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| | Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|---|
| 1 | Brenda B | 7/26/24 | 1345 | E L | 7/26/24 | 1345 |
| 2 | E L | 7/26/24 | 1411 | | 7/26/24 | 14:11 |
| 3 | | | | | | |



Table of Contents

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| D1543-WC-A1A2 | 2401268-01 |
| D1543-WC-A1A2A3 | 2401268-02 |

# Sample Receiving Documents

# Sample Receipt Confirmation

**Work Order # 2401268**

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **D1543 - 4647 E 59th Pl, Maywood, CA 90270** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 08/02/2024 20:00 | Received in Lab: | 07/26/2024 14:11 |
| Received By: | Thoai Trinh | Method of Delivery: | ATL Courier |
| Logged In By: | Ethan Tran | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401268-01 D1543-WC-A1A2 [Soil] Sampled 07/26/2024 13:30** | | | |
| 6010_Exide_6 Metals Ver: NONE | 08/02/2024 20:00 | 01/22/2025 00:00 | 1 |
| **2401268-02 D1543-WC-A1A2A3 [Soil] Sampled 07/26/2024 13:34** | | | |
| 6010_Exide_6 Metals Ver: NONE | 08/02/2024 20:00 | 01/22/2025 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401268

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **D1543 - 4647 E 59th Pl, Maywood, CA 90270** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 17. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil | Laboratory ID: 2401268-01 | Laboratory ID: D1543-WC-A1A2

Sampled: 07/26/24 13:30 | Prepared: 07/29/24 14:30 | Analyzed: 08/01/24 00:27

Batch: B4G0995 | Sequence: S4H0312 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | ND | 0.77 | 2.0 | 1 | U |
| 7440-38-2 | Arsenic | 2.4 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 0.89 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 22 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 74 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 110 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil  Laboratory ID: 2401268-02  Laboratory ID: D1543-WC-A1A2A3

Sampled: 07/26/24 13:34  Prepared: 07/29/24 14:30  Analyzed: 08/01/24 00:29

Batch: B4G0995  Sequence: S4H0312  Instrument: ICP-16

Preparation: EPA 3050B_S  Method: EPA 6010B  Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.7 | 0.77 | 2.0 | 1 | J |
| 7440-38-2 | Arsenic | 1.9 | 0.71 | 2.0 | 1 | J |
| 7440-43-9 | Cadmium | 0.67 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 22 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 65 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 92 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | |
|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | Work Order: | 2401268 |
| Client: | Parsons | Project: | D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| Batch: | B4G0995 Batch Matrix: Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| D1543-WC-A1A2 | 2401268-01 | 07/29/24 14:30 | 1.00 | 50 |
| D1543-WC-A1A2A3 | 2401268-02 | 07/29/24 14:30 | 1.00 | 50 |
| Blank | B4G0995-BLK1 | 07/29/24 15:37 | 1.00 | 50 |
| LCS | B4G0995-BS1 | 07/29/24 15:37 | 1.00 | 50 |
| Matrix Spike | B4G0995-MS1 | 07/29/24 15:37 | 1.00 | 50 |
| Matrix Spike Dup | B4G0995-MSD1 | 07/29/24 15:37 | 1.00 | 50 |
| Dilution Check | B4G0995-SRL1 | 07/29/24 15:37 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0995

**Extraction Method:** EPA 3050B_S

**Analysis Method:** EPA 6010B

**Batch Start Date:** 07/30/2024 12:15 **Batch Analyst:** DL2

**Batch End Date:** 07/30/2024 14:15

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401268-01 | D1543-WC-A1A2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401268-02 | D1543-WC-A1A2A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0995-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0995-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0995-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401267-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0995-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401267-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0995-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2401267-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4F0571 | 1:1 Nitric Acid | NA |
| A4G0398 | Concentrated Nitric Acid | 240238 |
| A4G0395 | Hydrogen Peroxide | K54376509 |
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |
| Dispenser ID | MPDISP02 | 347844 |
| Dispenser ID | MPDISP01 | 04K58398 |
| Thermometer ID | MPTHERM 09 | 935128 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Pipette | MPP01 | 22E77439 |
| Digestion Unit | DB01 | 4507CEC2139 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0995

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0995-BLK1 | Antimony | -1.44181 | 0.77 | 2.0 | 08/2/24 14:48 | U | EPA 6010B |
| | Arsenic | -0.236099 | 0.71 | 2.0 | 08/2/24 14:48 | U | EPA 6010B |
| | Cadmium | -1.27717 | 0.06 | 1.0 | 08/2/24 14:48 | U | EPA 6010B |
| | Copper | -0.805236 | 0.22 | 1.0 | 08/2/24 14:48 | U | EPA 6010B |
| | Lead | -0.434821 | 0.18 | 1.0 | 08/2/24 14:48 | U | EPA 6010B |
| | Zinc | -1.12324 | 0.30 | 2.0 | 08/2/24 14:48 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0995

Concentration Units: mg/kg

Laboratory ID: B4G0995-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 23.9269 | 25.0000 | 95.7 | | 80 - 120 |
| Arsenic | 25.3056 | 25.0000 | 101 | | 80 - 120 |
| Cadmium | 23.0076 | 25.0000 | 92.0 | | 80 - 120 |
| Copper | 23.3024 | 25.0000 | 93.2 | | 80 - 120 |
| Lead | 23.4384 | 25.0000 | 93.8 | | 80 - 120 |
| Zinc | 24.7254 | 25.0000 | 98.9 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0995
Concentration Units: mg/kg
Source Sample Name: **2401267-01**

Laboratory ID: B4G0995-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Antimony | 0.996070 | 20.3066 | 25.0000 | 77.2 | | 75 - 125 |
| Arsenic | 1.18180 | 25.4820 | 25.0000 | 97.2 | | 75 - 125 |
| Cadmium | 0.444469 | 24.0570 | 25.0000 | 94.5 | | 75 - 125 |
| Copper | 12.4302 | 38.0482 | 25.0000 | 102 | | 75 - 125 |
| Lead | 6.66963 | 34.4912 | 25.0000 | 111 | | 75 - 125 |
| Zinc | 43.3433 | 75.0390 | 25.0000 | 127 | M2 | 75 - 125 |

Laboratory ID: B4G0995-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Antimony | 20.0126 | 76.1 | 1.46 | 25.0000 | | 20 | 75 - 125 |
| Arsenic | 25.7403 | 98.2 | 1.01 | 25.0000 | | 20 | 75 - 125 |
| Cadmium | 24.3366 | 95.6 | 1.16 | 25.0000 | | 20 | 75 - 125 |
| Copper | 38.5400 | 104 | 1.28 | 25.0000 | | 20 | 75 - 125 |
| Lead | 33.6382 | 108 | 2.50 | 25.0000 | | 20 | 75 - 125 |
| Zinc | 74.8428 | 126 | 0.262 | 25.0000 | M2 | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0995

Concentration Units: mg/L

Source Sample Name: **2401267-01**

Laboratory ID: B4G0995-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0995-PS1 | | | | | | |
| Antimony | 0.019921 | 0.404133 | 0.500000 | 76.8 | | 75 - 125 |
| Arsenic | 0.023636 | 0.485011 | 0.500000 | 92.3 | | 75 - 125 |
| Cadmium | 0.008889 | 0.483984 | 0.500000 | 95.0 | | 75 - 125 |
| Copper | 0.248605 | 0.773538 | 0.500000 | 105 | | 75 - 125 |
| Lead | 0.133393 | 0.708430 | 0.500000 | 115 | | 75 - 125 |
| Zinc | 0.866866 | 1.54600 | 0.500000 | 136 | M2 | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Sequence: S4H0312  Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0312-IBL1 | 240731-01 RR-001 | 07/31/24 14:20 |
| Cal Standard | S4H0312-CAL1 | 240731-01 RR-002 | 07/31/24 14:23 |
| Cal Standard | S4H0312-CAL2 | 240731-01 RR-003 | 07/31/24 14:25 |
| Cal Standard | S4H0312-CAL3 | 240731-01 RR-004 | 07/31/24 14:27 |
| Cal Standard | S4H0312-CAL4 | 240731-01 RR-005 | 07/31/24 14:29 |
| Cal Standard | S4H0312-CAL5 | 240731-01 RR-006 | 07/31/24 14:31 |
| Cal Standard | S4H0312-CAL6 | 240731-01 RR-007 | 07/31/24 14:33 |
| Cal Standard | S4H0312-CAL7 | 240731-01 RR-008 | 07/31/24 14:35 |
| Initial Cal Check | S4H0312-ICV1 | 240731-01 RR-009 | 07/31/24 14:46 |
| Initial Cal Blank | S4H0312-ICB1 | 240731-01 RR-010 | 07/31/24 14:47 |
| Interference Check A | S4H0312-IFA1 | 240731-01 RR-012 | 07/31/24 14:57 |
| Interference Check B | S4H0312-IFB1 | 240731-01 RR-013 | 07/31/24 14:59 |
| Calibration Check | S4H0312-CCV5 | 240731-01 RR-201 | 07/31/24 23:42 |
| Calibration Blank | S4H0312-CCB5 | 240731-01 RR-202 | 07/31/24 23:44 |
| Calibration Check | S4H0312-CCV6 | 240731-01 RR-213 | 08/01/24 00:07 |
| Calibration Blank | S4H0312-CCB6 | 240731-01 RR-214 | 08/01/24 00:09 |
| D1543-WC-A1A2 | 2401268-01 | 240731-01 RR-211 | 08/01/24 00:27 |
| D1543-WC-A1A2A3 | 2401268-02 | 240731-01 RR-212 | 08/01/24 00:29 |
| Calibration Check | S4H0312-CCV7 | 240731-01 RR-225 | 08/01/24 00:31 |
| Calibration Blank | S4H0312-CCB7 | 240731-01 RR-226 | 08/01/24 00:33 |

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Sequence: S4H0343

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0343-IBL1 | 240802-01 RR1-001 | 08/02/24 12:23 |
| Cal Standard | S4H0343-CAL1 | 240802-01 RR1-002 | 08/02/24 12:26 |
| Cal Standard | S4H0343-CAL2 | 240802-01 RR1-003 | 08/02/24 12:28 |
| Cal Standard | S4H0343-CAL3 | 240802-01 RR1-004 | 08/02/24 12:31 |
| Cal Standard | S4H0343-CAL4 | 240802-01 RR1-005 | 08/02/24 12:33 |
| Cal Standard | S4H0343-CAL5 | 240802-01 RR1-006 | 08/02/24 12:35 |
| Cal Standard | S4H0343-CAL6 | 240802-01 RR1-007 | 08/02/24 12:37 |
| Cal Standard | S4H0343-CAL7 | 240802-01 RR1-008 | 08/02/24 12:39 |
| Initial Cal Check | S4H0343-ICV1 | 240802-01 RR1-009 | 08/02/24 13:35 |
| Initial Cal Blank | S4H0343-ICB1 | 240802-01 RR1-010 | 08/02/24 13:37 |
| Interference Check A | S4H0343-IFA1 | 240802-01 RR1-012 | 08/02/24 13:53 |
| Interference Check B | S4H0343-IFB1 | 240802-01 RR1-013 | 08/02/24 13:55 |
| Calibration Check | S4H0343-CCV1 | 240802-01 RR1-026 | 08/02/24 14:27 |
| Calibration Blank | S4H0343-CCB1 | 240802-01 RR1-027 | 08/02/24 14:29 |
| Blank | B4G0995-BLK1 | 240802-01 RR1-036 | 08/02/24 14:48 |
| LCS | B4G0995-BS1 | 240802-01 RR1-037 | 08/02/24 14:50 |
| Calibration Check | S4H0343-CCV2 | 240802-01 RR1-038 | 08/02/24 14:53 |
| Calibration Blank | S4H0343-CCB2 | 240802-01 RR1-039 | 08/02/24 14:55 |
| Matrix Spike | B4G0995-MS1 | 240802-01 RR1-040 | 08/02/24 15:40 |
| Matrix Spike Dup | B4G0995-MSD1 | 240802-01 RR1-041 | 08/02/24 15:42 |
| Post Spike | B4G0995-PS1 | 240802-01 RR1-042 | 08/02/24 15:44 |
| Dilution Check | B4G0995-SRL1 | 240802-01 RR1-043 | 08/02/24 15:46 |
| Calibration Check | S4H0343-CCV3 | 240802-01 RR1-050 | 08/02/24 16:01 |
| Calibration Blank | S4H0343-CCB3 | 240802-01 RR1-051 | 08/02/24 16:03 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0312-ICV1 | Antimony | 0.500000 | 0.480149 | 96.0 | 07/31/24 14:46 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.509486 | 102 | 07/31/24 14:46 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.493837 | 98.8 | 07/31/24 14:46 | +/- 10.00% |
| | Copper | 0.500000 | 0.487382 | 97.5 | 07/31/24 14:46 | +/- 10.00% |
| | Lead | 0.500000 | 0.515341 | 103 | 07/31/24 14:46 | +/- 10.00% |
| | Zinc | 0.500000 | 0.525040 | 105 | 07/31/24 14:46 | +/- 10.00% |
| S4H0312-CCV5 | Antimony | 2.00000 | 1.80307 | 90.2 | 07/31/24 23:42 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.91549 | 95.8 | 07/31/24 23:42 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.84489 | 92.2 | 07/31/24 23:42 | +/- 10.00% |
| | Copper | 2.00000 | 1.89137 | 94.6 | 07/31/24 23:42 | +/- 10.00% |
| | **Lead** | **2.00000** | **1.79805** | **89.9** | 07/31/24 23:42 | +/- 10.00% |
| | Zinc | 2.00000 | 1.85316 | 92.7 | 07/31/24 23:42 | +/- 10.00% |
| S4H0312-CCV6 | Antimony | 2.00000 | 1.82282 | 91.1 | 08/01/24 00:07 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.90900 | 95.5 | 08/01/24 00:07 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.84601 | 92.3 | 08/01/24 00:07 | +/- 10.00% |
| | Copper | 2.00000 | 1.88313 | 94.2 | 08/01/24 00:07 | +/- 10.00% |
| | Lead | 2.00000 | 1.81223 | 90.6 | 08/01/24 00:07 | +/- 10.00% |
| | Zinc | 2.00000 | 1.84500 | 92.2 | 08/01/24 00:07 | +/- 10.00% |
| S4H0312-CCV7 | Antimony | 2.00000 | 1.87959 | 94.0 | 08/01/24 00:31 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.01831 | 101 | 08/01/24 00:31 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.96187 | 98.1 | 08/01/24 00:31 | +/- 10.00% |
| | Copper | 2.00000 | 1.90041 | 95.0 | 08/01/24 00:31 | +/- 10.00% |
| | Lead | 2.00000 | 1.92989 | 96.5 | 08/01/24 00:31 | +/- 10.00% |
| | Zinc | 2.00000 | 1.97692 | 98.8 | 08/01/24 00:31 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0343-ICV1 | Antimony | 0.500000 | 0.482996 | 96.6 | 08/02/24 13:35 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.523113 | 105 | 08/02/24 13:35 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.480057 | 96.0 | 08/02/24 13:35 | +/- 10.00% |
| | Copper | 0.500000 | 0.476605 | 95.3 | 08/02/24 13:35 | +/- 10.00% |
| | Lead | 0.500000 | 0.505805 | 101 | 08/02/24 13:35 | +/- 10.00% |
| | Zinc | 0.500000 | 0.518444 | 104 | 08/02/24 13:35 | +/- 10.00% |
| S4H0343-CCV1 | Antimony | 2.00000 | 2.02078 | 101 | 08/02/24 14:27 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.03706 | 102 | 08/02/24 14:27 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.06472 | 103 | 08/02/24 14:27 | +/- 10.00% |
| | Copper | 2.00000 | 2.00719 | 100 | 08/02/24 14:27 | +/- 10.00% |
| | Lead | 2.00000 | 1.95867 | 97.9 | 08/02/24 14:27 | +/- 10.00% |
| | Zinc | 2.00000 | 2.07974 | 104 | 08/02/24 14:27 | +/- 10.00% |
| S4H0343-CCV2 | Antimony | 2.00000 | 2.02113 | 101 | 08/02/24 14:53 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.99618 | 99.8 | 08/02/24 14:53 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.07498 | 104 | 08/02/24 14:53 | +/- 10.00% |
| | Copper | 2.00000 | 2.00637 | 100 | 08/02/24 14:53 | +/- 10.00% |
| | Lead | 2.00000 | 1.90989 | 95.5 | 08/02/24 14:53 | +/- 10.00% |
| | Zinc | 2.00000 | 2.10711 | 105 | 08/02/24 14:53 | +/- 10.00% |
| S4H0343-CCV3 | Antimony | 2.00000 | 2.01966 | 101 | 08/02/24 16:01 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.99356 | 99.7 | 08/02/24 16:01 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.03735 | 102 | 08/02/24 16:01 | +/- 10.00% |
| | Copper | 2.00000 | 2.01473 | 101 | 08/02/24 16:01 | +/- 10.00% |
| | Lead | 2.00000 | 1.92528 | 96.3 | 08/02/24 16:01 | +/- 10.00% |
| | Zinc | 2.00000 | 2.06938 | 103 | 08/02/24 16:01 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0312

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0312-ICB1 | Antimony | 0.008240 | 0.02 | 0.04 | 07/31/24 14:47 | | EPA 6010B |
| | Arsenic | 0.002649 | 0.01 | 0.04 | 07/31/24 14:47 | | EPA 6010B |
| | Cadmium | -0.003655 | 0.001 | 0.02 | 07/31/24 14:47 | U | EPA 6010B |
| | Copper | 0.000643 | 0.004 | 0.02 | 07/31/24 14:47 | | EPA 6010B |
| | Lead | -0.000332 | 0.004 | 0.02 | 07/31/24 14:47 | U | EPA 6010B |
| | Zinc | -0.006333 | 0.006 | 0.04 | 07/31/24 14:47 | U | EPA 6010B |
| S4H0312-CCB5 | Antimony | 0.013194 | 0.02 | 0.04 | 07/31/24 23:44 | | EPA 6010B |
| | Arsenic | 0.004983 | 0.01 | 0.04 | 07/31/24 23:44 | | EPA 6010B |
| | Cadmium | -0.003484 | 0.001 | 0.02 | 07/31/24 23:44 | U | EPA 6010B |
| | Copper | -0.000410 | 0.004 | 0.02 | 07/31/24 23:44 | U | EPA 6010B |
| | Lead | -0.001853 | 0.004 | 0.02 | 07/31/24 23:44 | U | EPA 6010B |
| | Zinc | -0.005216 | 0.006 | 0.04 | 07/31/24 23:44 | U | EPA 6010B |
| S4H0312-CCB6 | Antimony | 3.1891E-3 | 0.02 | 0.04 | 08/1/24 0:09 | | EPA 6010B |
| | Arsenic | 0.007762 | 0.01 | 0.04 | 08/1/24 0:09 | | EPA 6010B |
| | Cadmium | -0.003745 | 0.001 | 0.02 | 08/1/24 0:09 | U | EPA 6010B |
| | Copper | 0.000114 | 0.004 | 0.02 | 08/1/24 0:09 | | EPA 6010B |
| | Lead | -0.007289 | 0.004 | 0.02 | 08/1/24 0:09 | U | EPA 6010B |
| | Zinc | -0.004987 | 0.006 | 0.04 | 08/1/24 0:09 | U | EPA 6010B |
| S4H0312-CCB7 | Antimony | 0.002722 | 0.02 | 0.04 | 08/1/24 0:33 | | EPA 6010B |
| | Arsenic | 0.011246 | 0.01 | 0.04 | 08/1/24 0:33 | B13 | EPA 6010B |
| | Cadmium | -0.004382 | 0.001 | 0.02 | 08/1/24 0:33 | U | EPA 6010B |
| | Copper | 0.000182 | 0.004 | 0.02 | 08/1/24 0:33 | | EPA 6010B |
| | Lead | -0.007025 | 0.004 | 0.02 | 08/1/24 0:33 | U | EPA 6010B |
| | Zinc | -0.004525 | 0.006 | 0.04 | 08/1/24 0:33 | U | EPA 6010B |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0343

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0343-ICB1 | Antimony | -0.008223 | 0.02 | 0.04 | 08/2/24 13:37 | U | EPA 6010B |
| | Arsenic | -0.001369 | 0.01 | 0.04 | 08/2/24 13:37 | U | EPA 6010B |
| | Cadmium | -0.023988 | 0.001 | 0.02 | 08/2/24 13:37 | U | EPA 6010B |
| | Copper | -0.018075 | 0.004 | 0.02 | 08/2/24 13:37 | U | EPA 6010B |
| | Lead | -0.007196 | 0.004 | 0.02 | 08/2/24 13:37 | U | EPA 6010B |
| | Zinc | -0.025860 | 0.006 | 0.04 | 08/2/24 13:37 | U | EPA 6010B |
| S4H0343-CCB1 | Antimony | -0.004748 | 0.02 | 0.04 | 08/2/24 14:29 | U | EPA 6010B |
| | Arsenic | -0.004522 | 0.01 | 0.04 | 08/2/24 14:29 | U | EPA 6010B |
| | Cadmium | -0.024664 | 0.001 | 0.02 | 08/2/24 14:29 | U | EPA 6010B |
| | Copper | -0.016988 | 0.004 | 0.02 | 08/2/24 14:29 | U | EPA 6010B |
| | Lead | -0.008880 | 0.004 | 0.02 | 08/2/24 14:29 | U | EPA 6010B |
| | Zinc | -0.024233 | 0.006 | 0.04 | 08/2/24 14:29 | U | EPA 6010B |
| S4H0343-CCB2 | Antimony | -0.013176 | 0.02 | 0.04 | 08/2/24 14:55 | U | EPA 6010B |
| | Arsenic | -0.000085 | 0.01 | 0.04 | 08/2/24 14:55 | U | EPA 6010B |
| | Cadmium | -0.025472 | 0.001 | 0.02 | 08/2/24 14:55 | U | EPA 6010B |
| | Copper | -0.018592 | 0.004 | 0.02 | 08/2/24 14:55 | U | EPA 6010B |
| | Lead | -0.011442 | 0.004 | 0.02 | 08/2/24 14:55 | U | EPA 6010B |
| | Zinc | -0.025750 | 0.006 | 0.04 | 08/2/24 14:55 | U | EPA 6010B |
| S4H0343-CCB3 | Antimony | -0.009871 | 0.02 | 0.04 | 08/2/24 16:03 | U | EPA 6010B |
| | Arsenic | 0.006030 | 0.01 | 0.04 | 08/2/24 16:03 | | EPA 6010B |
| | Cadmium | -0.025615 | 0.001 | 0.02 | 08/2/24 16:03 | U | EPA 6010B |
| | Copper | -0.019766 | 0.004 | 0.02 | 08/2/24 16:03 | U | EPA 6010B |
| | Lead | -0.009624 | 0.004 | 0.02 | 08/2/24 16:03 | U | EPA 6010B |
| | Zinc | -0.025083 | 0.006 | 0.04 | 08/2/24 16:03 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0312-IFA1 | Antimony | | 0.01963 | mg/L | | <0.04 | 7/31/24 14:57 |
| | Arsenic | | 0.00776 | mg/L | | <0.04 | 7/31/24 14:57 |
| | Cadmium | | -0.00052 | mg/L | | <0.02 | 7/31/24 14:57 |
| | Copper | | -0.00801 | mg/L | | <0.02 | 7/31/24 14:57 |
| | Lead | | -0.04921 | mg/L | | <0.02 | 7/31/24 14:57 |
| | Zinc | | 0.00005 | mg/L | | <0.04 | 7/31/24 14:57 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0312-IFB1 | Antimony | 0.500000 | 0.47857 | mg/L | 4 | ±20.00 % | 7/31/24 14:59 |
| | Arsenic | 0.500000 | 0.47914 | mg/L | 4 | ±20.00 % | 7/31/24 14:59 |
| | Cadmium | 0.500000 | 0.47608 | mg/L | 5 | ±20.00 % | 7/31/24 14:59 |
| | Copper | 0.500000 | 0.48481 | mg/L | 3 | ±20.00 % | 7/31/24 14:59 |
| | Lead | 0.500000 | 0.45549 | mg/L | 9 | ±20.00 % | 7/31/24 14:59 |
| | Zinc | 0.500000 | 0.47359 | mg/L | 5 | ±20.00 % | 7/31/24 14:59 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0343-IFA1 | Antimony | | 0.01284 | mg/L | | <0.04 | 8/2/24 13:53 |
| | Arsenic | | -0.00837 | mg/L | | <0.04 | 8/2/24 13:53 |
| | Cadmium | | -0.01867 | mg/L | | <0.02 | 8/2/24 13:53 |
| | Copper | | -0.02418 | mg/L | | <0.02 | 8/2/24 13:53 |
| | Lead | | -0.05448 | mg/L | | <0.02 | 8/2/24 13:53 |
| | Zinc | | -0.01410 | mg/L | | <0.04 | 8/2/24 13:53 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0343-IFB1 | Antimony | 0.500000 | 0.50759 | mg/L | -2 | ±20.00 % | 8/2/24 13:55 |
| | Arsenic | 0.500000 | 0.48317 | mg/L | 3 | ±20.00 % | 8/2/24 13:55 |
| | Cadmium | 0.500000 | 0.48534 | mg/L | 3 | ±20.00 % | 8/2/24 13:55 |
| | Copper | 0.500000 | 0.52545 | mg/L | -5 | ±20.00 % | 8/2/24 13:55 |
| | Lead | 0.500000 | 0.42020 | mg/L | 16 | ±20.00 % | 8/2/24 13:55 |
| | Zinc | 0.500000 | 0.48524 | mg/L | 3 | ±20.00 % | 8/2/24 13:55 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** D1543 - 4647 E 59th Pl, Maywood, CA 90270

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
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# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 2401268

For Laboratory Use Only ATLCOC Ver:20210101

| Method of Transport | Sample Conditions Upon Receipt | | | | | |
|---|---|---|---|---|---|---|
| | Condition | Y | N | Condition | Y | N |
| ☐ Client ☐ ATL | 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| ☐ FedEx ☐ OnTrac | 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| ☐ SSO | 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| ☐ Other: _____ | 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | Address: 100 W. Walnut Street | | | Tel: | |
| | City: Pasadena | State: CA | Zip: 91124 | Fax: | |

| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO |
|---|---|
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: Email: |
| Company: Parsons | Company: |
| Address: 100 W. Walnut Street | Address: |
| City: Pasadena State: CA Zip: 91124 | City: State: Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

| | | | |
|---|---|---|---|
| Project Name: DTSC Exide Residential | Quote #: | | |
| Site Address: 4647 E 59th Pl, Maywood CA 90270 | Site ID: D1S43 | | |
| Project No.: 684735 | PO #: | | |
| Sampler: Brenda B | | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Requested Analysis: Metals (As,Pb,Cd,Cu,Zn,Sb) | Requested Analysis: Lead (6010B) | Sample Matrix: Soil | Turnaround Time (TAT) | Container: Quantity | Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Container: Material: 1=Glass; 2=Plastic; 3=Metal | Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C-5=ZnAc2-6=NaOH; 7=NA2S2O3 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | D1543-WC-A1A2 | D1543-WC | 7/26/2024 | 1330 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | D1543-WC-A1A2A3 | D1543-WC | 7/26/2024 | 1334 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Nates, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| | Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|---|
| 1 | Brenda B | 7/26/24 | 1345 | E L | 7/26/24 | 1345 |
| 2 | E L | 7/26/24 | 1411 | | 7/26/24 | 14:11 |
| 3 | | | | | | |



Table of Contents

# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0496
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 08/09/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0496 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0504
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** Juan Flores
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0504 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0505
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0505 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4F0560 | 2334620-100 | 0.1500 |
| A3J0482 | 2222032-100 | 3.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0521
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0521 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0522 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0522
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0522 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0523 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0523
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0523 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0525 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0524
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0524 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0525 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0525
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0525 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0527 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0526
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0526 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0527 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0527
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0527 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0507 | na | 200.0000 |
| A4F0561 | 2413109-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0528
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0528 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0504 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# Report Prepared For:

## Parsons

# Client Project Description:
D1543 - 4647 E 59th Pl, Maywood, CA 90270

# ATL Work Order: 2401268

Date of Preparation: 08-16-2024

ATL is an analytical laboratory accredited by:
- ELAP of California - Certificate# 3101

Advanced Technology Laboratories
3275 Walnut Ave. Signal Hill, CA 90755
Tel. (562) 989-4045 Fax (562) 989-6348

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Work Order Number: 2401268


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Work Order Number: 2401268


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August 16, 2024

Tom Blaney
Parsons
100 W Walnut St
Pasadena, CA 91124
Tel: (626) 440-2000
Fax:(626) 440-2630

ELAP No.: 3101
CSDLAC No.: 10196

Re: ATL Work Order Number : 2401268

Client Reference : D1543 - 4647 E 59th Pl, Maywood, CA 90270

Enclosed are the results for sample(s) received on July 26, 2024 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or Project.Management@atlglobal.com.

Sincerely,

Lena Davidkov, Client Services
lena.davidkov@atlglobal.com
Authorized to Release on 08/16/24 09:58 on Behalf of

Amy Leung
Laboratory Director

The test results in this report relate exclusively to the samples as received by the laboratory, and meet the requirements of the methodology under which they were reported; any exceptions are noted within the report and/ or case narrative.

The cover letter/ signature page and the case narrative are integral parts of this analytical report; the absence of any portion of the report renders the report invalid. This report shall not be reproduced except in full, and shall have the express written approval of the laboratory, and the original client firm to do so

.

The electronic signature on this report is signed by an authorized signatory of Advanced Technology Laboratories, and is intended to be legally binding as the equivalent of a handwritten signature.

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/16/2024 |

## SUMMARY OF SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| D1543-WC-A1A2 | 2401268-01 | Soil | 7/26/24 13:30 | 7/26/24 14:11 |
| D1543-WC-A1A2A3 | 2401268-02 | Soil | 7/26/24 13:34 | 7/26/24 14:11 |

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Parsons | | Project Number : | D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | | Report To : | Tom Blaney |
| Pasadena , CA 91124 | | Reported : | 08/16/2024 |

## CASE NARRATIVE

The following Case Narrative, presented as an exception report, exclusively pertains to the data included within this report. This report, and the data within it, is to be interpreted as having no issues, abnormalities, or anomalies, other than those specifically noted in this narrative, or otherwise noted within the section entitled “Notes and Definitions”.

If there are no relevant data issues, the following statement will be included: “There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues”.

**General Notes**

1. When dilutions are necessary, it is to enable the quantification of target analytes within the instrument calibration range, or to reduce interferences that would otherwise prevent the quantification of target analytes. For samples that have been diluted, the final results are reflective of any calculated adjustments that are required. Samples requiring dilution will, by nature, have elevated Reporting Limits; in some cases, this may result in Reporting Limits that are higher than the client objectives. Elevated Reporting Limits are not considered a qualification or data issue, and are therefore not included in the Case Narrative.

2. The calculated results in this report are rounded; however, the calculated results are based on data that was not rounded, to avoid any round-off errors in the final results.

**Holding Times and Preservations**

1. Unless otherwise stated below, samples were received in good condition, at proper temperature, with proper preservation for the requested method(s) documented, and all holding times were met.

2. For methods that require chilling, samples are within acceptance if they are within the temperature range specified by the method, or within 2 degrees Celsius of the specific temperature prescribed by the method. For methods requiring that samples be chilled to 4 degrees Celsius, the laboratory considers the acceptable range to be between “above-freezing” and 6 degrees Celsius. Samples that are received in the laboratory on the day of collection may not meet the temperature requirements of the method, however, per NELAC guidance, samples are considered to be in acceptable condition if there is evidence that the chilling process has begun; such evidence is inclusive of samples arriving on ice, or packed with other appropriate cooling material (blue ice, dry ice, etc.).

**SAMPLE RECEIPT**

The samples associated with this report were received by the laboratory on July 26th, 2024 at 14:11. The sample(s) arrived in good condition. Unless otherwise noted in the section titled Receipt Exceptions. The temperature of the cooler at receipt was 22.4 degrees Celsius.

**METALS**

**EPA 6010B:**

There are no qualifications to report; the data herein is to be interpreted as being without any relevant data issues, other than those noted in the section entitled “Notes and Definitions”.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## Notes and Definitions

| | |
|---|---|
| U | Analyte included in the analysis, but not detected |
| R | RPD value outside acceptance criteria. Calculation is based on raw values. The analytical batch was validated by the Laboratory Control Sample (LCS). |
| Q2 | Analyte is high biased on QC. Sample result/s was non-detect (ND); therefore reanalysis was not necessary. |
| M2 | Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample. |
| J | Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration. |
| B8 | IFA outside the acceptance FMRL range,but the analyte has a negative value. Therefore, reanalysis is not necessary. |
| B18 | Associated method blank above MDL, but below half of the PQL value. Therefore, reanalysis is not necessary. |
| B16 | Analyte is detected in the ICB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| B14 | Analyte above PQL in CCB, however sample non-detected. Therefore, reanalysis is not necessary. |
| B13 | Analyte is detected in the CCB, but the analyte is at least 10x greater in the sample. Therefore, reanalysis is not necessary. |
| ND | Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL) |
| PQL | Practical Quantitation Limit |
| MDL | Method Detection Limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## STLC Metals by ICP-AES by EPA 6010B

**Analyte: Lead** **Analyst: KK2**

| Laboratory ID | Client Sample ID | Result | Units | PQL | MDL | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 2401268-01 | D1543-WC-A1A2 | **2.5** | mg/L | 0.10 | 0.020 | 5 | B4H0647 | 08/14/2024 | 08/14/24 22:29 | |
| 2401268-02 | D1543-WC-A1A2A3 | **2.8** | mg/L | 0.10 | 0.020 | 5 | B4H0647 | 08/14/2024 | 08/14/24 22:31 | |

### Client Sample ID: D1543-WC-A1A2
### Lab ID: 2401268-01

**Total Metals by ICP-AES EPA 6010B** **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 2.0 | 0.77 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | U |
| **Arsenic** | **2.4** | 2.0 | 0.71 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | |
| **Cadmium** | **0.89** | 1.0 | 0.06 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | J |
| **Copper** | **22** | 1.0 | 0.22 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | |
| **Lead** | **74** | 1.0 | 0.18 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | |
| **Zinc** | **110** | 2.0 | 0.30 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:27 | |

### Client Sample ID: D1543-WC-A1A2A3
### Lab ID: 2401268-02

**Total Metals by ICP-AES EPA 6010B** **Analyst: NP**

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Dilution | Batch | Prepared | Date/Time Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **1.7** | 2.0 | 0.77 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | J |
| **Arsenic** | **1.9** | 2.0 | 0.71 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | J |
| **Cadmium** | **0.67** | 1.0 | 0.06 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | J |
| **Copper** | **22** | 1.0 | 0.22 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | |
| **Lead** | **65** | 1.0 | 0.18 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | |
| **Zinc** | **92** | 2.0 | 0.30 | 1 | B4G0995 | 07/29/2024 | 08/01/24 00:29 | |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## QUALITY CONTROL SECTION

### Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/kg) | PQL (mg/kg) | MDL (mg/kg) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0995 - EPA 3050B_S** | | | | | | | | | | |
| **Blank (B4G0995-BLK1)** | | | | | | Prepared: 7/29/2024 Analyzed: 8/2/2024 | | | | |
| Antimony | ND | 2.0 | 0.77 | | | | | | | U |
| Arsenic | ND | 2.0 | 0.71 | | | | | | | U |
| Cadmium | ND | 1.0 | 0.06 | | | | | | | U |
| Copper | ND | 1.0 | 0.22 | | | | | | | U |
| Lead | ND | 1.0 | 0.18 | | | | | | | U |
| Zinc | ND | 2.0 | 0.30 | | | | | | | U |
| **LCS (B4G0995-BS1)** | | | | | | Prepared: 7/29/2024 Analyzed: 8/2/2024 | | | | |
| Antimony | 23.9269 | 2.0 | 0.77 | 25.0000 | | 95.7 | 80 - 120 | | | |
| Arsenic | 25.3056 | 2.0 | 0.71 | 25.0000 | | 101 | 80 - 120 | | | |
| Cadmium | 23.0076 | 1.0 | 0.06 | 25.0000 | | 92.0 | 80 - 120 | | | |
| Copper | 23.3024 | 1.0 | 0.22 | 25.0000 | | 93.2 | 80 - 120 | | | |
| Lead | 23.4384 | 1.0 | 0.18 | 25.0000 | | 93.8 | 80 - 120 | | | |
| Zinc | 24.7254 | 2.0 | 0.30 | 25.0000 | | 98.9 | 80 - 120 | | | |
| **Matrix Spike (B4G0995-MS1)** | | | **Source: 2401267-01** | | | Prepared: 7/29/2024 Analyzed: 8/2/2024 | | | | |
| Antimony | 20.3066 | 2.0 | 0.77 | 25.0000 | 0.996070 | 77.2 | 75 - 125 | | | |
| Arsenic | 25.4820 | 2.0 | 0.71 | 25.0000 | 1.18180 | 97.2 | 75 - 125 | | | |
| Cadmium | 24.0570 | 1.0 | 0.06 | 25.0000 | 0.444469 | 94.5 | 75 - 125 | | | |
| Copper | 38.0482 | 1.0 | 0.22 | 25.0000 | 12.4302 | 102 | 75 - 125 | | | |
| Lead | 34.4912 | 1.0 | 0.18 | 25.0000 | 6.66963 | 111 | 75 - 125 | | | |
| Zinc | 75.0390 | 2.0 | 0.30 | 25.0000 | 43.3433 | 127 | 75 - 125 | | | M2 |
| **Matrix Spike Dup (B4G0995-MSD1)** | | | **Source: 2401267-01** | | | Prepared: 7/29/2024 Analyzed: 8/2/2024 | | | | |
| Antimony | 20.0126 | 2.0 | 0.77 | 25.0000 | 0.996070 | 76.1 | 75 - 125 | 1.46 | 20 | |
| Arsenic | 25.7403 | 2.0 | 0.71 | 25.0000 | 1.18180 | 98.2 | 75 - 125 | 1.01 | 20 | |
| Cadmium | 24.3366 | 1.0 | 0.06 | 25.0000 | 0.444469 | 95.6 | 75 - 125 | 1.16 | 20 | |
| Copper | 38.5400 | 1.0 | 0.22 | 25.0000 | 12.4302 | 104 | 75 - 125 | 1.28 | 20 | |
| Lead | 33.6382 | 1.0 | 0.18 | 25.0000 | 6.66963 | 108 | 75 - 125 | 2.50 | 20 | |
| Zinc | 74.8428 | 2.0 | 0.30 | 25.0000 | 43.3433 | 126 | 75 - 125 | 0.262 | 20 | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## Total Metals by ICP-AES EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Batch B4G0995 - EPA 3050B_S** | | | | | | | | | |
| **Post Spike (B4G0995-PS1)** | | | **Source: 2401267-01** | | Prepared: 7/29/2024 Analyzed: 8/2/2024 | | | | |
| Antimony | 0.404133 | | 0.500000 | 0.019921 | 76.8 | 75 - 125 | | | |
| Arsenic | 0.485011 | | 0.500000 | 0.023636 | 92.3 | 75 - 125 | | | |
| Cadmium | 0.483984 | | 0.500000 | 0.008889 | 95.0 | 75 - 125 | | | |
| Copper | 0.773538 | | 0.500000 | 0.248605 | 105 | 75 - 125 | | | |
| Lead | 0.708430 | | 0.500000 | 0.133393 | 115 | 75 - 125 | | | |
| Zinc | 1.54600 | | 0.500000 | 0.866866 | 136 | 75 - 125 | | | M2 |

# Certificate of Analysis

| | |
|---|---|
| Parsons | Project Number : D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| 100 W Walnut St | Report To : Tom Blaney |
| Pasadena , CA 91124 | Reported : 08/16/2024 |

## STLC Metals by ICP-AES by EPA 6010B - Quality Control

| Analyte | Result (mg/L) | PQL (mg/L) | MDL (mg/L) | Spike Level | Source Result | % Rec | % Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B4H0647 - STLC_S Extraction** | | | | | | | | | | |
| **Blank (B4H0647-BLK1)** | | | | | | Prepared: 8/14/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 0.032117 | 0.10 | 0.020 | | | | | | | B18, J |
| **LCS (B4H0647-BS1)** | | | | | | Prepared: 8/14/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 0.540990 | 0.10 | 0.020 | 0.500000 | | 108 | 80 - 120 | | | |
| **Matrix Spike (B4H0647-MS1)** | | | **Source: 2401128-01** | | | Prepared: 8/14/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 1.14308 | 0.10 | 0.020 | 0.500000 | 0.681015 | 92.4 | 75 - 125 | | | |
| **Matrix Spike Dup (B4H0647-MSD1)** | | | **Source: 2401128-01** | | | Prepared: 8/14/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 1.13344 | 0.10 | 0.020 | 0.500000 | 0.681015 | 90.5 | 75 - 125 | 0.847 | 20 | |
| **Post Spike (B4H0647-PS1)** | | | **Source: 2401128-01** | | | Prepared: 8/14/2024 Analyzed: 8/14/2024 | | | | |
| Lead | 1.12959 | | | 0.500000 | 0.681015 | 89.7 | 75 - 125 | | | |

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 2401268

For Laboratory Use Only ATLCOC Ver:20210101

| Method of Transport | Sample Conditions Upon Receipt | | | | | |
|---|---|---|---|---|---|---|
| | Condition | Y | N | Condition | Y | N |
| ☐ Client ☐ ATL | 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| ☐ FedEx ☐ OnTrac | 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| ☐ ESO | 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| ☐ Other: _____ | 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | Address: 100 W. Walnut Street | | | Tel: | |
| | City: Pasadena | State: CA | Zip: 91124 | Fax: | |

| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO |
|---|---|
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: Email: |
| Company: Parsons | Company: |
| Address: 100 W. Walnut Street | Address: |
| City: Pasadena State: CA Zip: 91124 | City: State: Zip: |

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____
QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

| | | | |
|---|---|---|---|
| Project Name: DTSC Exide Residential | | Quote #: | |
| Site Address: 4647 E 59th Pl, Maywood CA 90270 | | Site ID: D1S43 | |
| Project No.: 684735 | | PO #: | |
| Sampler: Brenda B | | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Requested Analysis: Metals (As,Pb,Cd,Cu,Zn,Sb) | Requested Analysis: Lead (6010B) | Sample Matrix: Soil | Turnaround Time (TAT) | Container: Quantity | Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Container: Material: 1=Glass; 2=Plastic; 3=Metal | Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C-5=ZnAc2-6=NaOH; 7=NA2S2O3 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | D1543-WC-A1A2 | D1543-WC | 7/26/2024 | 1330 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | D1543-WC-A1A2A3 | D1543-WC | 7/26/2024 | 1334 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| | Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|---|
| 1 | Brenda B | 7/26/24 | 1345 | E L | 7/26/24 | 1345 |
| 2 | E L | 7/26/24 | 1411 | | 7/26/24 | 14:11 |
| 3 | | | | | | |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Friday, August 9, 2024 10:45 AM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Happy Friday!

Please run the following on a standard turnaround time:

1. RP2374B-WC-A1A2 (LAB REPORT 2401250): STLC for lead
2. RP2374B-WC-A1A2A3 (LAB REPORT 2401250): STLC for lead
3. C0058-WC-A1A2 (LAB REPORT 2401248): STLC and TCLP for lead
4. B0953-WC-A1A2 (LAB REPORT 2401262): STLC and TCLP for lead
5. B0953-WC-A1A2A3 (LAB REPORT 2401262): STLC and TCLP for lead
6. D1543-WC-A1A2 (LAB REPORT 2401268): STLC for lead
7. D1543-WC-A1A2A3 (LAB REPORT 2401268): STLC for lead
8. RP3111-WC-A1A2 (LAB REPORT 2401266): STLC and TCLP for lead
9. RP3111-WC-A1A2A3 (LAB REPORT 2401266): STLC and TCLP for lead
10. RP0671-WC-A1A2 (LAB REPORT 2401264): STLC and TCLP for lead
11. RP0671-WC-A1A2A3 (LAB REPORT 2401264): STLC and TCLP for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# Sample Receiving Documents

# Sample Receipt Confirmation

## Work Order # 2401268

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **D1543 - 4647 E 59th Pl, Maywood, CA 90270** |

| **Report To:** | **Invoice To:** |
|---|---|
| Parsons | Parsons |
| Tom Blaney | Sarah King |
| 100 W Walnut St | 100 W Walnut St |
| Pasadena, CA 91124 | Pasadena, CA 91124 |
| Phone: (626) 440-2000 | Phone :(626) 440-2000 |
| Fax: (626) 440-2630 | Fax: (626) 440-2630 |

| | | | |
|---|---|---|---|
| Earliest Report Date: | 08/16/2024 20:00 | Received in Lab: | 07/26/2024 14:11 |
| Received By: | Thoai Trinh | Method of Delivery: | ATL Courier |
| Logged In By: | Ethan Tran | | |

**The Due-Date Calculation is Based on Requested TAT for Routine Samples. Stormwater, Wastewater, and Contract-Based Samples are subject to Respective TAT Terms.**

## Work Order Summary

| Analysis | Earliest Report Date | Hold Time Expiration | Sample Comments |
|---|---|---|---|
| **2401268-01 D1543-WC-A1A2 [Soil] Sampled 07/26/2024 13:30** | | | |
| 6010_STLC Ver: Pb | 08/16/2024 20:00 | 01/22/2025 00:00 | |
| 6010_Exide_6 Metals Ver: NONE | 08/16/2024 20:00 | 01/22/2025 00:00 | 1 |
| **2401268-02 D1543-WC-A1A2A3 [Soil] Sampled 07/26/2024 13:34** | | | |
| 6010_STLC Ver: Pb | 08/16/2024 20:00 | 01/22/2025 00:00 | |
| 6010_Exide_6 Metals Ver: NONE | 08/16/2024 20:00 | 01/22/2025 00:00 | 1 |

* Turnaround Time (TAT) for subcontracted analyses may vary depending on the availability of the subcontract laboratory.

ADVANCED TECHNOLOGY LABORATORIES

# Sample Receipt Confirmation

## Work Order # 2401268

| | | | |
|---|---|---|---|
| **Client:** | **Parsons** | **Project Manager:** | **Lena Davidkov** |
| | | **Project Number:** | **D1543 - 4647 E 59th Pl, Maywood, CA 90270** |

Please review the checklist below.

All samples which require thermal preservation are considered acceptable if the temperature upon arrival is within ± 2 °C of the required temperature or method specified range. For samples with a specified temperature of 4 °C, samples with a temperature ranging from just above freezing temperature of water to 6 °C shall be acceptable. Samples that are hand-delivered immediately following collection may not meet these criteria; however, they will be deemed acceptable per NELAC standards if there is evidence that the chilling process has begun, such as arrival on ice.

Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues. If you have any questions or further instructions, please contact your Project Manager at (562) 989-4045.

**Default Cooler** **Temp: 17. °C**

| | | | | |
|---|---|---|---|---|
| Cooler temperature within acceptance limit? | Yes | ☐ | No | ☑ |
| Evidence of chilling present, e.g. ice? | Yes | ☐ | No | ☑ |
| Shipping container received in good condition? | Yes | ☑ | No | ☐ |
| Custody seals present on shipping container? | Yes | ☐ | No | ☑ |
| Custody seals intact on shipping container? | Not Applicable | | | |
| Custody seals present on sample bottles? | Yes | ☐ | No | ☑ |
| Custody seals intact on sample bottles? | Not Applicable | | | |
| Chain of Custody (COC) present? | Yes | ☑ | No | ☐ |
| Sampler name present in COC? | Yes | ☑ | No | ☐ |
| COC signed when relinquished and received? | Yes | ☑ | No | ☐ |
| COC agrees with sample labels? | Yes | ☑ | No | ☐ |
| Samples in proper container/bottle? | Yes | ☑ | No | ☐ |
| Sample containers intact? | Yes | ☑ | No | ☐ |
| Sufficient sample amount for indicated tests? | Yes | ☑ | No | ☐ |
| All samples received within holding time? | Yes | ☑ | No | ☐ |
| Water for VOC -- Were VOA vials submitted? | Yes | ☐ | No | ☑ |
| Water samples submitted? | Yes | ☐ | No | ☑ |
| VOA vials for VOC meet headspace criteria (<6mm)? | Not Applicable | | | |
| Water samples meet preservation criteria? | Not Applicable | | | |

# SAMPLE IDs

Laboratory: Advanced Technology Laboratories
SDG:
Client: Parsons
Project: Exide_Level III

| Client Sample Id: | Lab Sample Id: |
|---|---|
| D1543-WC-A1A2 | 2401268-01 |
| D1543-WC-A1A2A3 | 2401268-02 |

# Sample Data

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories | Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil | Laboratory ID: 2401268-01 | Laboratory ID: D1543-WC-A1A2

Sampled: 07/26/24 13:30 | Prepared: 07/29/24 14:30 | Analyzed: 08/01/24 00:27

Batch: B4G0995 | Sequence: S4H0312 | Instrument: ICP-16

Preparation: EPA 3050B_S | Method: EPA 6010B | Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | ND | 0.77 | 2.0 | 1 | U |
| 7440-38-2 | Arsenic | 2.4 | 0.71 | 2.0 | 1 | |
| 7440-43-9 | Cadmium | 0.89 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 22 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 74 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 110 | 0.30 | 2.0 | 1 | |

# ANALYSIS DATA SHEET
# EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil  Laboratory ID: 2401268-02  Laboratory ID: D1543-WC-A1A2A3

Sampled: 07/26/24 13:34  Prepared: 07/29/24 14:30  Analyzed: 08/01/24 00:29

Batch: B4G0995  Sequence: S4H0312  Instrument: ICP-16

Preparation: EPA 3050B_S  Method: EPA 6010B  Concentration Units: mg/kg

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | 1.7 | 0.77 | 2.0 | 1 | J |
| 7440-38-2 | Arsenic | 1.9 | 0.71 | 2.0 | 1 | J |
| 7440-43-9 | Cadmium | 0.67 | 0.06 | 1.0 | 1 | J |
| 7440-50-8 | Copper | 22 | 0.22 | 1.0 | 1 | |
| 7439-92-1 | Lead | 65 | 0.18 | 1.0 | 1 | |
| 7440-66-6 | Zinc | 92 | 0.30 | 2.0 | 1 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | | | Work Order: | 2401268 |
| Client: | Parsons | | | Project: | D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| Batch: | B4G0995 | Batch Matrix: | Soil | Preparation: | EPA 3050B_S |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| D1543-WC-A1A2 | 2401268-01 | 07/29/24 14:30 | 1.00 | 50 |
| D1543-WC-A1A2A3 | 2401268-02 | 07/29/24 14:30 | 1.00 | 50 |
| Blank | B4G0995-BLK1 | 07/29/24 15:37 | 1.00 | 50 |
| LCS | B4G0995-BS1 | 07/29/24 15:37 | 1.00 | 50 |
| Matrix Spike | B4G0995-MS1 | 07/29/24 15:37 | 1.00 | 50 |
| Matrix Spike Dup | B4G0995-MSD1 | 07/29/24 15:37 | 1.00 | 50 |
| Dilution Check | B4G0995-SRL1 | 07/29/24 15:37 | 1.00 | 50 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4G0995

**Extraction Method:** EPA 3050B_S

**Batch Start Date:** 07/30/2024 12:15 **Batch Analyst:** DL2

**Analysis Method:** EPA 6010B

**Batch End Date:** 07/30/2024 14:15

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401268-01 | D1543-WC-A1A2 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| 2401268-02 | D1543-WC-A1A2A3 | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0995-BLK1 | Blank | 1.00 | 50.00 | | | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0995-BS1 | LCS | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0995-MS1 | Matrix Spike | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401267-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0995-MSD1 | Matrix Spike Dup | 1.00 | 50.00 | A4E0708<br>A4E0709 | 500<br>500 | 2401267-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |
| B4G0995-SRL1 | Dilution Check | 1.00 | 50.00 | | | 2401267-01 | 5 mL | 1.5 mL | 5 mL | 5 mL | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|
| A4F0571 | 1:1 Nitric Acid | NA |
| A4G0398 | Concentrated Nitric Acid | 240238 |
| A4D0549 | Concentrated Hydrochloric Acid | 4123090 |
| A4G0395 | Hydrogen Peroxide | K54376509 |

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|
| Dispenser ID | MPDISP02 | 347844 |
| Dispenser ID | MPDISP05 | 18874857 |
| Balance | IIBAL01 | 1127342718 |
| Pipette | MPP01 | 22E77439 |
| Dispenser ID | MPDISP01 | 04K58398 |
| Thermometer ID | MPTHERM 09 | 935128 |
| Dispenser ID | MPDISP03 | 18D19828 |
| Digestion Unit | DB01 | 4507CEC2139 |

# METHOD BLANK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/kg
Batch: B4G0995

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4G0995-BLK1 | Antimony | -1.44181 | 0.77 | 2.0 | 08/2/24 14:48 | U | EPA 6010B |
| | Arsenic | -0.236099 | 0.71 | 2.0 | 08/2/24 14:48 | U | EPA 6010B |
| | Cadmium | -1.27717 | 0.06 | 1.0 | 08/2/24 14:48 | U | EPA 6010B |
| | Copper | -0.805236 | 0.22 | 1.0 | 08/2/24 14:48 | U | EPA 6010B |
| | Lead | -0.434821 | 0.18 | 1.0 | 08/2/24 14:48 | U | EPA 6010B |
| | Zinc | -1.12324 | 0.30 | 2.0 | 08/2/24 14:48 | U | EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0995
Concentration Units: mg/kg

Laboratory ID: B4G0995-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Antimony | 23.9269 | 25.0000 | 95.7 | | 80 - 120 |
| Arsenic | 25.3056 | 25.0000 | 101 | | 80 - 120 |
| Cadmium | 23.0076 | 25.0000 | 92.0 | | 80 - 120 |
| Copper | 23.3024 | 25.0000 | 93.2 | | 80 - 120 |
| Lead | 23.4384 | 25.0000 | 93.8 | | 80 - 120 |
| Zinc | 24.7254 | 25.0000 | 98.9 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4G0995
Concentration Units: mg/kg
Source Sample Name: **2401267-01**

Laboratory ID: B4G0995-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Antimony | 0.996070 | 20.3066 | 25.0000 | 77.2 | | 75 - 125 |
| Arsenic | 1.18180 | 25.4820 | 25.0000 | 97.2 | | 75 - 125 |
| Cadmium | 0.444469 | 24.0570 | 25.0000 | 94.5 | | 75 - 125 |
| Copper | 12.4302 | 38.0482 | 25.0000 | 102 | | 75 - 125 |
| Lead | 6.66963 | 34.4912 | 25.0000 | 111 | | 75 - 125 |
| Zinc | 43.3433 | 75.0390 | 25.0000 | 127 | M2 | 75 - 125 |

Laboratory ID: B4G0995-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS % RPD | CONTROL LIMITS % R |
|---|---|---|---|---|---|---|---|
| Antimony | 20.0126 | 76.1 | 1.46 | 25.0000 | | 20 | 75 - 125 |
| Arsenic | 25.7403 | 98.2 | 1.01 | 25.0000 | | 20 | 75 - 125 |
| Cadmium | 24.3366 | 95.6 | 1.16 | 25.0000 | | 20 | 75 - 125 |
| Copper | 38.5400 | 104 | 1.28 | 25.0000 | | 20 | 75 - 125 |
| Lead | 33.6382 | 108 | 2.50 | 25.0000 | | 20 | 75 - 125 |
| Zinc | 74.8428 | 126 | 0.262 | 25.0000 | M2 | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4G0995

Concentration Units: mg/L

Source Sample Name: **2401267-01**

Laboratory ID: B4G0995-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4G0995-PS1 | | | | | | |
| Antimony | 0.019921 | 0.404133 | 0.500000 | 76.8 | | 75 - 125 |
| Arsenic | 0.023636 | 0.485011 | 0.500000 | 92.3 | | 75 - 125 |
| Cadmium | 0.008889 | 0.483984 | 0.500000 | 95.0 | | 75 - 125 |
| Copper | 0.248605 | 0.773538 | 0.500000 | 105 | | 75 - 125 |
| Lead | 0.133393 | 0.708430 | 0.500000 | 115 | | 75 - 125 |
| Zinc | 0.866866 | 1.54600 | 0.500000 | 136 | M2 | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Sequence: S4H0312

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0312-IBL1 | 240731-01 RR-001 | 07/31/24 14:20 |
| Cal Standard | S4H0312-CAL1 | 240731-01 RR-002 | 07/31/24 14:23 |
| Cal Standard | S4H0312-CAL2 | 240731-01 RR-003 | 07/31/24 14:25 |
| Cal Standard | S4H0312-CAL3 | 240731-01 RR-004 | 07/31/24 14:27 |
| Cal Standard | S4H0312-CAL4 | 240731-01 RR-005 | 07/31/24 14:29 |
| Cal Standard | S4H0312-CAL5 | 240731-01 RR-006 | 07/31/24 14:31 |
| Cal Standard | S4H0312-CAL6 | 240731-01 RR-007 | 07/31/24 14:33 |
| Cal Standard | S4H0312-CAL7 | 240731-01 RR-008 | 07/31/24 14:35 |
| Initial Cal Check | S4H0312-ICV1 | 240731-01 RR-009 | 07/31/24 14:46 |
| Initial Cal Blank | S4H0312-ICB1 | 240731-01 RR-010 | 07/31/24 14:47 |
| Interference Check A | S4H0312-IFA1 | 240731-01 RR-012 | 07/31/24 14:57 |
| Interference Check B | S4H0312-IFB1 | 240731-01 RR-013 | 07/31/24 14:59 |
| Calibration Check | S4H0312-CCV5 | 240731-01 RR-201 | 07/31/24 23:42 |
| Calibration Blank | S4H0312-CCB5 | 240731-01 RR-202 | 07/31/24 23:44 |
| Calibration Check | S4H0312-CCV6 | 240731-01 RR-213 | 08/01/24 00:07 |
| Calibration Blank | S4H0312-CCB6 | 240731-01 RR-214 | 08/01/24 00:09 |
| D1543-WC-A1A2 | 2401268-01 | 240731-01 RR-211 | 08/01/24 00:27 |
| D1543-WC-A1A2A3 | 2401268-02 | 240731-01 RR-212 | 08/01/24 00:29 |
| Calibration Check | S4H0312-CCV7 | 240731-01 RR-225 | 08/01/24 00:31 |
| Calibration Blank | S4H0312-CCB7 | 240731-01 RR-226 | 08/01/24 00:33 |

# ANALYSIS SEQUENCE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Sequence: S4H0343

Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0343-IBL1 | 240802-01 RR1-001 | 08/02/24 12:23 |
| Cal Standard | S4H0343-CAL1 | 240802-01 RR1-002 | 08/02/24 12:26 |
| Cal Standard | S4H0343-CAL2 | 240802-01 RR1-003 | 08/02/24 12:28 |
| Cal Standard | S4H0343-CAL3 | 240802-01 RR1-004 | 08/02/24 12:31 |
| Cal Standard | S4H0343-CAL4 | 240802-01 RR1-005 | 08/02/24 12:33 |
| Cal Standard | S4H0343-CAL5 | 240802-01 RR1-006 | 08/02/24 12:35 |
| Cal Standard | S4H0343-CAL6 | 240802-01 RR1-007 | 08/02/24 12:37 |
| Cal Standard | S4H0343-CAL7 | 240802-01 RR1-008 | 08/02/24 12:39 |
| Initial Cal Check | S4H0343-ICV1 | 240802-01 RR1-009 | 08/02/24 13:35 |
| Initial Cal Blank | S4H0343-ICB1 | 240802-01 RR1-010 | 08/02/24 13:37 |
| Interference Check A | S4H0343-IFA1 | 240802-01 RR1-012 | 08/02/24 13:53 |
| Interference Check B | S4H0343-IFB1 | 240802-01 RR1-013 | 08/02/24 13:55 |
| Calibration Check | S4H0343-CCV1 | 240802-01 RR1-026 | 08/02/24 14:27 |
| Calibration Blank | S4H0343-CCB1 | 240802-01 RR1-027 | 08/02/24 14:29 |
| Blank | B4G0995-BLK1 | 240802-01 RR1-036 | 08/02/24 14:48 |
| LCS | B4G0995-BS1 | 240802-01 RR1-037 | 08/02/24 14:50 |
| Calibration Check | S4H0343-CCV2 | 240802-01 RR1-038 | 08/02/24 14:53 |
| Calibration Blank | S4H0343-CCB2 | 240802-01 RR1-039 | 08/02/24 14:55 |
| Matrix Spike | B4G0995-MS1 | 240802-01 RR1-040 | 08/02/24 15:40 |
| Matrix Spike Dup | B4G0995-MSD1 | 240802-01 RR1-041 | 08/02/24 15:42 |
| Post Spike | B4G0995-PS1 | 240802-01 RR1-042 | 08/02/24 15:44 |
| Dilution Check | B4G0995-SRL1 | 240802-01 RR1-043 | 08/02/24 15:46 |
| Calibration Check | S4H0343-CCV3 | 240802-01 RR1-050 | 08/02/24 16:01 |
| Calibration Blank | S4H0343-CCB3 | 240802-01 RR1-051 | 08/02/24 16:03 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0312-ICV1 | Antimony | 0.500000 | 0.480149 | 96.0 | 07/31/24 14:46 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.509486 | 102 | 07/31/24 14:46 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.493837 | 98.8 | 07/31/24 14:46 | +/- 10.00% |
| | Copper | 0.500000 | 0.487382 | 97.5 | 07/31/24 14:46 | +/- 10.00% |
| | Lead | 0.500000 | 0.515341 | 103 | 07/31/24 14:46 | +/- 10.00% |
| | Zinc | 0.500000 | 0.525040 | 105 | 07/31/24 14:46 | +/- 10.00% |
| S4H0312-CCV5 | Antimony | 2.00000 | 1.80307 | 90.2 | 07/31/24 23:42 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.91549 | 95.8 | 07/31/24 23:42 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.84489 | 92.2 | 07/31/24 23:42 | +/- 10.00% |
| | Copper | 2.00000 | 1.89137 | 94.6 | 07/31/24 23:42 | +/- 10.00% |
| | **Lead** | **2.00000** | **1.79805** | **89.9** | 07/31/24 23:42 | +/- 10.00% |
| | Zinc | 2.00000 | 1.85316 | 92.7 | 07/31/24 23:42 | +/- 10.00% |
| S4H0312-CCV6 | Antimony | 2.00000 | 1.82282 | 91.1 | 08/01/24 00:07 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.90900 | 95.5 | 08/01/24 00:07 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.84601 | 92.3 | 08/01/24 00:07 | +/- 10.00% |
| | Copper | 2.00000 | 1.88313 | 94.2 | 08/01/24 00:07 | +/- 10.00% |
| | Lead | 2.00000 | 1.81223 | 90.6 | 08/01/24 00:07 | +/- 10.00% |
| | Zinc | 2.00000 | 1.84500 | 92.2 | 08/01/24 00:07 | +/- 10.00% |
| S4H0312-CCV7 | Antimony | 2.00000 | 1.87959 | 94.0 | 08/01/24 00:31 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.01831 | 101 | 08/01/24 00:31 | +/- 10.00% |
| | Cadmium | 2.00000 | 1.96187 | 98.1 | 08/01/24 00:31 | +/- 10.00% |
| | Copper | 2.00000 | 1.90041 | 95.0 | 08/01/24 00:31 | +/- 10.00% |
| | Lead | 2.00000 | 1.92989 | 96.5 | 08/01/24 00:31 | +/- 10.00% |
| | Zinc | 2.00000 | 1.97692 | 98.8 | 08/01/24 00:31 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16
ICV Source: A4G0496
Concentration Units: mg/L
CCV Source: A4G0525

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0343-ICV1 | Antimony | 0.500000 | 0.482996 | 96.6 | 08/02/24 13:35 | +/- 10.00% |
| | Arsenic | 0.500000 | 0.523113 | 105 | 08/02/24 13:35 | +/- 10.00% |
| | Cadmium | 0.500000 | 0.480057 | 96.0 | 08/02/24 13:35 | +/- 10.00% |
| | Copper | 0.500000 | 0.476605 | 95.3 | 08/02/24 13:35 | +/- 10.00% |
| | Lead | 0.500000 | 0.505805 | 101 | 08/02/24 13:35 | +/- 10.00% |
| | Zinc | 0.500000 | 0.518444 | 104 | 08/02/24 13:35 | +/- 10.00% |
| S4H0343-CCV1 | Antimony | 2.00000 | 2.02078 | 101 | 08/02/24 14:27 | +/- 10.00% |
| | Arsenic | 2.00000 | 2.03706 | 102 | 08/02/24 14:27 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.06472 | 103 | 08/02/24 14:27 | +/- 10.00% |
| | Copper | 2.00000 | 2.00719 | 100 | 08/02/24 14:27 | +/- 10.00% |
| | Lead | 2.00000 | 1.95867 | 97.9 | 08/02/24 14:27 | +/- 10.00% |
| | Zinc | 2.00000 | 2.07974 | 104 | 08/02/24 14:27 | +/- 10.00% |
| S4H0343-CCV2 | Antimony | 2.00000 | 2.02113 | 101 | 08/02/24 14:53 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.99618 | 99.8 | 08/02/24 14:53 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.07498 | 104 | 08/02/24 14:53 | +/- 10.00% |
| | Copper | 2.00000 | 2.00637 | 100 | 08/02/24 14:53 | +/- 10.00% |
| | Lead | 2.00000 | 1.90989 | 95.5 | 08/02/24 14:53 | +/- 10.00% |
| | Zinc | 2.00000 | 2.10711 | 105 | 08/02/24 14:53 | +/- 10.00% |
| S4H0343-CCV3 | Antimony | 2.00000 | 2.01966 | 101 | 08/02/24 16:01 | +/- 10.00% |
| | Arsenic | 2.00000 | 1.99356 | 99.7 | 08/02/24 16:01 | +/- 10.00% |
| | Cadmium | 2.00000 | 2.03735 | 102 | 08/02/24 16:01 | +/- 10.00% |
| | Copper | 2.00000 | 2.01473 | 101 | 08/02/24 16:01 | +/- 10.00% |
| | Lead | 2.00000 | 1.92528 | 96.3 | 08/02/24 16:01 | +/- 10.00% |
| | Zinc | 2.00000 | 2.06938 | 103 | 08/02/24 16:01 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0312

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0312-ICB1 | Antimony | 0.008240 | 0.02 | 0.04 | 07/31/24 14:47 | | EPA 6010B |
| | Arsenic | 0.002649 | 0.01 | 0.04 | 07/31/24 14:47 | | EPA 6010B |
| | Cadmium | -0.003655 | 0.001 | 0.02 | 07/31/24 14:47 | U | EPA 6010B |
| | Copper | 0.000643 | 0.004 | 0.02 | 07/31/24 14:47 | | EPA 6010B |
| | Lead | -0.000332 | 0.004 | 0.02 | 07/31/24 14:47 | U | EPA 6010B |
| | Zinc | -0.006333 | 0.006 | 0.04 | 07/31/24 14:47 | U | EPA 6010B |
| S4H0312-CCB5 | Antimony | 0.013194 | 0.02 | 0.04 | 07/31/24 23:44 | | EPA 6010B |
| | Arsenic | 0.004983 | 0.01 | 0.04 | 07/31/24 23:44 | | EPA 6010B |
| | Cadmium | -0.003484 | 0.001 | 0.02 | 07/31/24 23:44 | U | EPA 6010B |
| | Copper | -0.000410 | 0.004 | 0.02 | 07/31/24 23:44 | U | EPA 6010B |
| | Lead | -0.001853 | 0.004 | 0.02 | 07/31/24 23:44 | U | EPA 6010B |
| | Zinc | -0.005216 | 0.006 | 0.04 | 07/31/24 23:44 | U | EPA 6010B |
| S4H0312-CCB6 | Antimony | 3.1891E-3 | 0.02 | 0.04 | 08/1/24 0:09 | | EPA 6010B |
| | Arsenic | 0.007762 | 0.01 | 0.04 | 08/1/24 0:09 | | EPA 6010B |
| | Cadmium | -0.003745 | 0.001 | 0.02 | 08/1/24 0:09 | U | EPA 6010B |
| | Copper | 0.000114 | 0.004 | 0.02 | 08/1/24 0:09 | | EPA 6010B |
| | Lead | -0.007289 | 0.004 | 0.02 | 08/1/24 0:09 | U | EPA 6010B |
| | Zinc | -0.004987 | 0.006 | 0.04 | 08/1/24 0:09 | U | EPA 6010B |
| S4H0312-CCB7 | Antimony | 0.002722 | 0.02 | 0.04 | 08/1/24 0:33 | | EPA 6010B |
| | Arsenic | 0.011246 | 0.01 | 0.04 | 08/1/24 0:33 | B13 | EPA 6010B |
| | Cadmium | -0.004382 | 0.001 | 0.02 | 08/1/24 0:33 | U | EPA 6010B |
| | Copper | 0.000182 | 0.004 | 0.02 | 08/1/24 0:33 | | EPA 6010B |
| | Lead | -0.007025 | 0.004 | 0.02 | 08/1/24 0:33 | U | EPA 6010B |
| | Zinc | -0.004525 | 0.006 | 0.04 | 08/1/24 0:33 | U | EPA 6010B |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0343

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0343-ICB1 | Antimony | -0.008223 | 0.02 | 0.04 | 08/2/24 13:37 | U | EPA 6010B |
| | Arsenic | -0.001369 | 0.01 | 0.04 | 08/2/24 13:37 | U | EPA 6010B |
| | Cadmium | -0.023988 | 0.001 | 0.02 | 08/2/24 13:37 | U | EPA 6010B |
| | Copper | -0.018075 | 0.004 | 0.02 | 08/2/24 13:37 | U | EPA 6010B |
| | Lead | -0.007196 | 0.004 | 0.02 | 08/2/24 13:37 | U | EPA 6010B |
| | Zinc | -0.025860 | 0.006 | 0.04 | 08/2/24 13:37 | U | EPA 6010B |
| S4H0343-CCB1 | Antimony | -0.004748 | 0.02 | 0.04 | 08/2/24 14:29 | U | EPA 6010B |
| | Arsenic | -0.004522 | 0.01 | 0.04 | 08/2/24 14:29 | U | EPA 6010B |
| | Cadmium | -0.024664 | 0.001 | 0.02 | 08/2/24 14:29 | U | EPA 6010B |
| | Copper | -0.016988 | 0.004 | 0.02 | 08/2/24 14:29 | U | EPA 6010B |
| | Lead | -0.008880 | 0.004 | 0.02 | 08/2/24 14:29 | U | EPA 6010B |
| | Zinc | -0.024233 | 0.006 | 0.04 | 08/2/24 14:29 | U | EPA 6010B |
| S4H0343-CCB2 | Antimony | -0.013176 | 0.02 | 0.04 | 08/2/24 14:55 | U | EPA 6010B |
| | Arsenic | -0.000085 | 0.01 | 0.04 | 08/2/24 14:55 | U | EPA 6010B |
| | Cadmium | -0.025472 | 0.001 | 0.02 | 08/2/24 14:55 | U | EPA 6010B |
| | Copper | -0.018592 | 0.004 | 0.02 | 08/2/24 14:55 | U | EPA 6010B |
| | Lead | -0.011442 | 0.004 | 0.02 | 08/2/24 14:55 | U | EPA 6010B |
| | Zinc | -0.025750 | 0.006 | 0.04 | 08/2/24 14:55 | U | EPA 6010B |
| S4H0343-CCB3 | Antimony | -0.009871 | 0.02 | 0.04 | 08/2/24 16:03 | U | EPA 6010B |
| | Arsenic | 0.006030 | 0.01 | 0.04 | 08/2/24 16:03 | | EPA 6010B |
| | Cadmium | -0.025615 | 0.001 | 0.02 | 08/2/24 16:03 | U | EPA 6010B |
| | Copper | -0.019766 | 0.004 | 0.02 | 08/2/24 16:03 | U | EPA 6010B |
| | Lead | -0.009624 | 0.004 | 0.02 | 08/2/24 16:03 | U | EPA 6010B |
| | Zinc | -0.025083 | 0.006 | 0.04 | 08/2/24 16:03 | U | EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0312-IFA1 | Antimony | | 0.01963 | mg/L | | <0.04 | 7/31/24 14:57 |
| | Arsenic | | 0.00776 | mg/L | | <0.04 | 7/31/24 14:57 |
| | Cadmium | | -0.00052 | mg/L | | <0.02 | 7/31/24 14:57 |
| | Copper | | -0.00801 | mg/L | | <0.02 | 7/31/24 14:57 |
| | Lead | | -0.04921 | mg/L | | <0.02 | 7/31/24 14:57 |
| | Zinc | | 0.00005 | mg/L | | <0.04 | 7/31/24 14:57 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0312
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0312-IFB1 | Antimony | 0.500000 | 0.47857 | mg/L | 4 | ±20.00 % | 7/31/24 14:59 |
| | Arsenic | 0.500000 | 0.47914 | mg/L | 4 | ±20.00 % | 7/31/24 14:59 |
| | Cadmium | 0.500000 | 0.47608 | mg/L | 5 | ±20.00 % | 7/31/24 14:59 |
| | Copper | 0.500000 | 0.48481 | mg/L | 3 | ±20.00 % | 7/31/24 14:59 |
| | Lead | 0.500000 | 0.45549 | mg/L | 9 | ±20.00 % | 7/31/24 14:59 |
| | Zinc | 0.500000 | 0.47359 | mg/L | 5 | ±20.00 % | 7/31/24 14:59 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0343-IFA1 | Antimony | | 0.01284 | mg/L | | <0.04 | 8/2/24 13:53 |
| | Arsenic | | -0.00837 | mg/L | | <0.04 | 8/2/24 13:53 |
| | Cadmium | | -0.01867 | mg/L | | <0.02 | 8/2/24 13:53 |
| | Copper | | -0.02418 | mg/L | | <0.02 | 8/2/24 13:53 |
| | Lead | | -0.05448 | mg/L | | <0.02 | 8/2/24 13:53 |
| | Zinc | | -0.01410 | mg/L | | <0.04 | 8/2/24 13:53 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0343
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0343-IFB1 | Antimony | 0.500000 | 0.50759 | mg/L | -2 | ±20.00 % | 8/2/24 13:55 |
| | Arsenic | 0.500000 | 0.48317 | mg/L | 3 | ±20.00 % | 8/2/24 13:55 |
| | Cadmium | 0.500000 | 0.48534 | mg/L | 3 | ±20.00 % | 8/2/24 13:55 |
| | Copper | 0.500000 | 0.52545 | mg/L | -5 | ±20.00 % | 8/2/24 13:55 |
| | Lead | 0.500000 | 0.42020 | mg/L | 16 | ±20.00 % | 8/2/24 13:55 |
| | Zinc | 0.500000 | 0.48524 | mg/L | 3 | ±20.00 % | 8/2/24 13:55 |

# METHOD DETECTION AND REPORTING LIMITS
# EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** D1543 - 4647 E 59th Pl, Maywood, CA 90270

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Antimony | 0.77 | 2.0 | mg/kg |
| Arsenic | 0.71 | 2.0 | mg/kg |
| Cadmium | 0.06 | 1.0 | mg/kg |
| Copper | 0.22 | 1.0 | mg/kg |
| Lead | 0.18 | 1.0 | mg/kg |
| Zinc | 0.30 | 2.0 | mg/kg |

# Sample Data

# ANALYSIS DATA SHEET
# WET/EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil  Laboratory ID: 2401268-01  Laboratory ID: D1543-WC-A1A2

Sampled: 07/26/24 13:30  Prepared: 08/14/24 16:35  Analyzed: 08/14/24 22:29

Batch: B4H0647  Sequence: S4H0472  Instrument: ICP-16

Preparation: STLC_S Extraction  Method: WET/EPA 6010B  Concentration Units: mg/L

Leach Batch: B4H0611  Leach Method: STLC_S Extraction

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2.5 | 0.020 | 0.10 | 5 | |

# ANALYSIS DATA SHEET
# WET/EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil  Laboratory ID: 2401268-02  Laboratory ID: D1543-WC-A1A2A3

Sampled: 07/26/24 13:34  Prepared: 08/14/24 16:35  Analyzed: 08/14/24 22:31

Batch: B4H0647  Sequence: S4H0472  Instrument: ICP-16

Preparation: STLC_S Extraction  Method: WET/EPA 6010B  Concentration Units: mg/L

Leach Batch: B4H0611  Leach Method: STLC_S Extraction

| CAS NO. | ANALYTE | Conc. | MDL | PQL | Dilution | Q |
|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2.8 | 0.020 | 0.10 | 5 | |

# Batch QC

# PREPARATION BATCH SUMMARY

| | | | | | |
|---|---|---|---|---|---|
| Laboratory: | Advanced Technology Laborator | | | Work Order: | 2401268 |
| Client: | Parsons | | | Project: | D1543 - 4647 E 59th Pl, Maywood, CA 90270 |
| Batch: | B4H0647 | Batch Matrix: | Soil | Preparation: | STLC_S Extraction |

| SAMPLE NAME | LAB SAMPLE ID | DATE PREPARED | INITIAL VOL./WEIGHT g | FINAL VOL. mL |
|---|---|---|---|---|
| D1543-WC-A1A2 | 2401268-01 | 08/14/24 16:35 | 25.00 | 25 |
| D1543-WC-A1A2A3 | 2401268-02 | 08/14/24 16:35 | 25.00 | 25 |
| Blank | B4H0647-BLK1 | 08/14/24 16:35 | 25.00 | 25 |
| LCS | B4H0647-BS1 | 08/14/24 16:35 | 25.00 | 25 |
| Matrix Spike | B4H0647-MS1 | 08/14/24 16:35 | 25.00 | 25 |
| Matrix Spike Dup | B4H0647-MSD1 | 08/14/24 16:35 | 25.00 | 25 |
| Dilution Check | B4H0647-SRL1 | 08/14/24 16:35 | 25.00 | 25 |

# Metals Batch Worksheet



**Lab Name:** Advanced Technology Laboratories

**Batch Number:** B4H0647

**Extraction Method:** STLC_S Extraction

**Batch Start Date:**

**Batch Analyst:** CH

**Analysis Method:** WET/EPA 6010B

**Batch End Date:**

| Lab Sample ID | Client Sample ID | Initial (g) | Final (mL) | Spike ID | Spike ID Amount (uL) | Source ID | 1:1 HNO3 | 30% H202 | Con. HCl | Con. HNO3 | 1:1 HCl Acid |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2401268-01 | D1543-WC-A1A2 | 25.00 | 25.00 | | | | | | | | |
| 2401268-02 | D1543-WC-A1A2A3 | 25.00 | 25.00 | | | | | | | | |
| B4H0647-BLK1 | Blank | 25.00 | 25.00 | | | | | | | | |
| B4H0647-BS1 | LCS | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | | | | | | |
| B4H0647-MS1 | Matrix Spike | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401128-01 | | | | | |
| B4H0647-MSD1 | Matrix Spike Dup | 25.00 | 25.00 | A4E0708<br>A4E0709 | 250<br>250 | 2401128-01 | | | | | |
| B4H0647-SRL1 | Dilution Check | 25.00 | 25.00 | | | 2401128-01 | | | | | |

**Spiking Standards**

| Spike | Description | Lotnum |
|---|---|---|
| A4E0708 | Spike 1 | na |
| A4E0709 | Spike 2 | NA |

**Reagents**

| Standard | Description | LotNum |
|---|---|---|

**Equipment Used**

| Type | Equipment ID | LotNum |
|---|---|---|

# METHOD BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Batch: B4H0647

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| B4H0647-BLK1 | Lead | 0.032117 | 0.020 | 0.10 | 08/14/24 21:34 | 318, | WET/EPA 6010B |

## LAB CONTROL SAMPLE/LAB CONTROL SAMPLE DUPLICATE RECOVERY SUM...

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Matrix: Soil
Instrument: ICP-16
Batch ID: B4H0647
Concentration Units: mg/L

Laboratory ID: B4H0647-BS1

| ANALYTE | LCS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|
| Lead | 0.540990 | 0.500000 | 108 | | 80 - 120 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0647

Concentration Units: mg/L

Source Sample Name: **2401128-01**

Laboratory ID: B4H0647-MS1

| ANALYTE | SAMPLE CONCENTRATION | MS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Lead | 0.681015 | 1.14308 | 0.500000 | 92.4 | | 75 - 125 |

Laboratory ID: B4H0647-MSD1

| ANALYTE | MSD CONCENTRATION | % R | % RPD | SPIKE ADDED | Q | CONTROL LIMITS | |
|---|---|---|---|---|---|---|---|
| | | | | | | % RPD | % R |
| Lead | 1.13344 | 90.5 | 0.847 | 0.500000 | | 20 | 75 - 125 |

# POST SPIKE RECOVERY SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories

Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Matrix: Soil

Instrument: ICP-16

Batch ID: B4H0647

Concentration Units: mg/L

Source Sample Name: **2401128-01**

Laboratory ID: B4H0647-PS1

| ANALYTE | SAMPLE CONCENTRATION | PS CONCENTRATION | SPIKE ADDED | % R | Q | CONTROL LIMIT %R |
|---|---|---|---|---|---|---|
| Laboratory ID: B4H0647-PS1 | | | | | | |
| Lead | 0.681015 | 1.12959 | 0.500000 | 89.7 | | 75 - 125 |

# Instrument QC

# ANALYSIS SEQUENCE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories  Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270

Sequence: S4H0472  Instrument: ICP-16

| Sample Name | Lab Sample ID | Lab File ID | Analysis Date/Time |
|---|---|---|---|
| Instrument Blank | S4H0472-IBL1 | 240814-01 RR-001 | 08/14/24 10:53 |
| Cal Standard | S4H0472-CAL1 | 240814-01 RR-002 | 08/14/24 10:56 |
| Cal Standard | S4H0472-CAL2 | 240814-01 RR-003 | 08/14/24 10:58 |
| Cal Standard | S4H0472-CAL3 | 240814-01 RR-004 | 08/14/24 11:00 |
| Cal Standard | S4H0472-CAL4 | 240814-01 RR-005 | 08/14/24 11:03 |
| Cal Standard | S4H0472-CAL5 | 240814-01 RR-006 | 08/14/24 11:05 |
| Cal Standard | S4H0472-CAL6 | 240814-01 RR-007 | 08/14/24 11:07 |
| Cal Standard | S4H0472-CAL7 | 240814-01 RR-008 | 08/14/24 11:09 |
| Initial Cal Check | S4H0472-ICV1 | 240814-01 RR-009 | 08/14/24 11:20 |
| Initial Cal Blank | S4H0472-ICB1 | 240814-01 RR-010 | 08/14/24 11:22 |
| Interference Check A | S4H0472-IFA1 | 240814-01 RR-012 | 08/14/24 11:28 |
| Interference Check B | S4H0472-IFB1 | 240814-01 RR-013 | 08/14/24 11:30 |
| Calibration Check | S4H0472-CCV1 | 240814-01 RR-014 | 08/14/24 11:38 |
| Calibration Blank | S4H0472-CCB1 | 240814-01 RR-015 | 08/14/24 11:40 |
| Calibration Check | S4H0472-CCVJ | 240814-01 RR-265 | 08/14/24 21:22 |
| Calibration Blank | S4H0472-CCBJ | 240814-01 RR-266 | 08/14/24 21:24 |
| Blank | B4H0647-BLK1 | 240814-01 RR-270 | 08/14/24 21:34 |
| LCS | B4H0647-BS1 | 240814-01 RR-271 | 08/14/24 21:36 |
| Matrix Spike | B4H0647-MS1 | 240814-01 RR-272 | 08/14/24 21:38 |
| Matrix Spike Dup | B4H0647-MSD1 | 240814-01 RR-273 | 08/14/24 21:41 |
| Post Spike | B4H0647-PS1 | 240814-01 RR-274 | 08/14/24 21:43 |
| Dilution Check | B4H0647-SRL1 | 240814-01 RR-275 | 08/14/24 21:46 |
| Calibration Check | S4H0472-CCVK | 240814-01 RR-277 | 08/14/24 21:50 |
| Calibration Blank | S4H0472-CCBK | 240814-01 RR-278 | 08/14/24 21:53 |
| Calibration Check | S4H0472-CCVL | 240814-01 RR-289 | 08/14/24 22:19 |
| Calibration Blank | S4H0472-CCBL | 240814-01 RR-290 | 08/14/24 22:22 |
| D1543-WC-A1A2 | 2401268-01 | 240814-01 RR-293 | 08/14/24 22:29 |
| D1543-WC-A1A2A3 | 2401268-02 | 240814-01 RR-294 | 08/14/24 22:31 |
| Calibration Check | S4H0472-CCVM | 240814-01 RR-301 | 08/14/24 22:48 |
| Calibration Blank | S4H0472-CCBM | 240814-01 RR-302 | 08/14/24 22:51 |

# INITIAL AND CONTINUING CALIBRATION CHECK SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16
ICV Source: A4H0434
Concentration Units: mg/L
CCV Source: A4H0459

| Lab Sample ID | Analyte | True | Found | %R | Analyzed | Control Limit |
|---|---|---|---|---|---|---|
| S4H0472-ICV1 | Lead | 0.500000 | 0.527184 | 105 | 08/14/24 11:20 | +/- 10.00% |
| S4H0472-CCV1 | Lead | 2.00000 | 1.98890 | 99.4 | 08/14/24 11:38 | +/- 10.00% |
| S4H0472-CCVJ | Lead | 2.00000 | 1.94340 | 97.2 | 08/14/24 21:22 | +/- 10.00% |
| S4H0472-CCVK | Lead | 2.00000 | 1.92082 | 96.0 | 08/14/24 21:50 | +/- 10.00% |
| S4H0472-CCVL | Lead | 2.00000 | 1.89963 | 95.0 | 08/14/24 22:19 | +/- 10.00% |
| S4H0472-CCVM | Lead | 2.00000 | 1.89531 | 94.8 | 08/14/24 22:48 | +/- 10.00% |

# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY
## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Instrument ID: ICP-16
Concentration Units: mg/L
Sequence: S4H0472

| Lab Sample ID | Analyte | Found | MDL | PQL | Analyzed | Q | Method |
|---|---|---|---|---|---|---|---|
| S4H0472-ICB1 | Lead | 0.007855 | 0.0041 | 0.020 | 08/14/24 11:22 | 16, Q | WET/EPA 6010B |
| S4H0472-CCB1 | Lead | 0.008591 | 0.0041 | 0.020 | 08/14/24 11:40 | 3, B | WET/EPA 6010B |
| S4H0472-CCBJ | Lead | 0.001220 | 0.0041 | 0.020 | 08/14/24 21:24 | | WET/EPA 6010B |
| S4H0472-CCBK | Lead | 0.001927 | 0.0041 | 0.020 | 08/14/24 21:53 | | WET/EPA 6010B |
| S4H0472-CCBL | Lead | 0.000605 | 0.0041 | 0.020 | 08/14/24 22:22 | | WET/EPA 6010B |
| S4H0472-CCBM | Lead | 0.002071 | 0.0041 | 0.020 | 08/14/24 22:51 | | WET/EPA 6010B |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0472-IFA1 | Lead | | 0.00074 | mg/L | | <0.02 | 8/14/24 11:28 |

# INTERFERENCE CHECK SAMPLE SUMMARY

## WET/EPA 6010B

Laboratory: Advanced Technology Laboratories
Project: D1543 - 4647 E 59th Pl, Maywood, CA 90270
Sequence: S4H0472
Instrument ID: ICP-16

| Lab Sample ID | Analyte | True Value | Observed | Units | %D | Control Limit | Analyzed |
|---|---|---|---|---|---|---|---|
| S4H0472-IFB1 | Lead | 0.500000 | 0.49434 | mg/L | 1 | ±20.00 % | 8/14/24 11:30 |

# METHOD DETECTION AND REPORTING LIMITS
# WET/EPA 6010B

**Laboratory:** Advanced Technology Laboratories **Project:** D1543 - 4647 E 59th Pl, Maywood, CA 90270

**Matrix:** Soil **Instrument:** ICP-16

| Analyte | MDL | PQL | Units |
|---|---|---|---|
| Lead | 0.0041 | 0.020 | mg/L |

# Leachate Preparation Log

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

# CHAIN OF CUSTODY RECORD

Page 1 of 1

*Instruction: Complete all shaded areas.*

21 2401268

For Laboratory Use Only ATLCOC Ver:20210101

| Method of Transport | Sample Conditions Upon Receipt | | | | | |
|---|---|---|---|---|---|---|
| | Condition | Y | N | Condition | Y | N |
| ☐ Client ☐ ATL | 1. CHILLED | ☐ | ☐ | 5. # OF SAMPLES MATCH COC | ☐ | ☐ |
| ☐ FedEx ☐ OnTrac | 2. HEADSPACE (VOA) < 6mm | ☐ | ☐ | 6. PRESERVED | ☐ | ☐ |
| ☐ ESO | 3. CONTAINER INTACT | ☐ | ☐ | 7. COOLER TEMP, deg C: | | |
| ☐ Other: _____ | 4. SEALED | ☐ | ☐ | 8. THERMOMETER ID: | | |

| | | | | | |
|---|---|---|---|---|---|
| Company: **Parsons** | Address: 100 W. Walnut Street | | | Tel: | |
| | City: Pasadena | State: CA | Zip: 91124 | Fax: | |
| SEND REPORT TO: | SEND INVOICE TO: ☐ same as SEND REPORT TO | | | EDD / QA/QC | |
| Attn: Tom Blaney Email: tom.blaney@parsons.com; jennifer.trimm@parsons.com; julie.rieth@parsons.com | Attn: | Email: | | ☐ Excel ☐ Routine | |
| Company: Parsons | Company: | | | ☐ EDF ☐ Caltrans | |
| Address: 100 W. Walnut Street | Address: | | | ☐ Equis ☐ Legal | |
| City: Pasadena State: CA Zip: 91124 | City: | State: | Zip: | ☐ _____ ☐ RWQCB | |
| | | | | ☐ Level IV | |
| | | | | ☐ _____ | |

| | | |
|---|---|---|
| Project Name: DTSC Exide Residential | Quote #: | |
| Site Address: 4647 E 59th Pl, Maywood CA 90270 | Site ID: D1S43 | |
| Project No.: 684735 | PO #: | |
| Sampler: Brenda B | | |

| ITEM | Lab ID (For Lab Use Only) | Sample Description: Sample ID | Location | Date | Time | Requested Analysis: Metals (As,Pb,Cd,Cu,Zn,Sb) | Requested Analysis: Lead (6010B) | Sample Matrix: Soil | Turnaround Time (TAT) | Container: Quantity | Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister | Container: Material: 1=Glass; 2=Plastic; 3=Metal | Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C-5=ZnAc2; 6=NaOH; 7=NA2S2O3 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | D1543-WC-A1A2 | D1543-WC | 7/26/2024 | 1330 | x | x | x | | 1 | 5 | 1 | | |
| 2 | 2 | D1543-WC-A1A2A3 | D1543-WC | 7/26/2024 | 1334 | x | x | x | | 1 | 5 | 1 | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

*(Special Instructions, Comments, Notes, etc.)*

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

| | Relinquished by: (Signature and Printed Name) | Date: | Time: | Received by: (Signature and Printed Name) | Date: | Time: |
|---|---|---|---|---|---|---|
| 1 | Brenda B | 7/26/24 | 1345 | E L | 7/26/24 | 1345 |
| 2 | E L | 7/26/24 | 1411 | | 7/26/24 | 14:11 |
| 3 | | | | | | |



Table of Contents

## Lena Davidkov

**From:** Nishka.Parikh@parsons.com
**Sent:** Friday, August 9, 2024 10:45 AM
**To:** Lena Davidkov
**Cc:** Tom Blaney (Tom.Blaney@parsons.com); Peter Shair (Peter.Shair@parsons.com); Sandra De Las Fuentes (Sandra.delasFuentes@parsons.us); Carla Rodman (Carla.Rodman@parsons.com)
**Subject:** Need STLC/TCLP Analyses

Sensitive

Hi Lena,

Happy Friday!

Please run the following on a standard turnaround time:

1. RP2374B-WC-A1A2 (LAB REPORT 2401250): STLC for lead
2. RP2374B-WC-A1A2A3 (LAB REPORT 2401250): STLC for lead
3. C0058-WC-A1A2 (LAB REPORT 2401248): STLC and TCLP for lead
4. B0953-WC-A1A2 (LAB REPORT 2401262): STLC and TCLP for lead
5. B0953-WC-A1A2A3 (LAB REPORT 2401262): STLC and TCLP for lead
6. D1543-WC-A1A2 (LAB REPORT 2401268): STLC for lead
7. D1543-WC-A1A2A3 (LAB REPORT 2401268): STLC for lead
8. RP3111-WC-A1A2 (LAB REPORT 2401266): STLC and TCLP for lead
9. RP3111-WC-A1A2A3 (LAB REPORT 2401266): STLC and TCLP for lead
10. RP0671-WC-A1A2 (LAB REPORT 2401264): STLC and TCLP for lead
11. RP0671-WC-A1A2A3 (LAB REPORT 2401264): STLC and TCLP for lead

Thank you,

**Nishka Parikh**
Associate Environmental Engineer
100 West Walnut St, Pasadena, CA 91124
Mobile: 626.720.1815
nishka.parikh@parsons.com
www.parsons.com | LinkedIn

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# Standard Traceability

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4D0581
**Description:** 8081/8082/608 Surrogate, 1 ppm
**Solvent:** Acetone/A2J0687
**Lot Number:** A0146097
**Comments:**

**Date Prepared:** 04/12/2024
**Date Expires:** 04/12/2025
**Prepared by:** Juan Flores
**Vendor:** In House
**Final Volume (mL:s):** 200.0000

**A4D0581 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A3E0559 | A0197094 | 1.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Decachlorobiphenyl | 1.0000 | ppm |
| Decachlorobiphenyl [2C] | 1.0000 | ppm |
| Tetrachloro-m-xylene | 1.0000 | ppm |
| Tetrachloro-m-xylene [2C] | 1.0000 | ppm |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0708
**Description:** Spike 1
**Solvent:** 5% HNO3
**Lot Number:** na
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0708 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A2J0747 | 219115070-01 | 2.5000 |
| A2J0710 | 221085029 | 2.5000 |
| A2J0712 | 221085015 | 2.5000 |
| A2J0713 | 220085165-01 | 2.5000 |
| A2J0714 | 222015122 | 2.5000 |
| A2J0719 | 22075058 | 2.5000 |
| A2J0742 | 220075140-01 | 2.5000 |
| A2J0709 | 220045073-02 | 2.5000 |
| A2J0746 | 221015120 | 2.5000 |
| A4E0704 | 223075052 | 2.5000 |
| A2J0748 | 221015023 | 2.5000 |
| A2J0749 | 221095086 | 2.5000 |
| A2J0750 | 221085081 | 2.5000 |
| A3G0689 | 222035101 | 2.5000 |
| A4E0698 | 223115077 | 2.5000 |
| A4E0700 | 222035128-01 | 2.5000 |
| A2J0745 | 217015040-02 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Antimony | 50.0000 | DPM/mL |
| Beryllium | 50.0000 | DPM/mL |
| Cadmium | 50.0000 | DPM/mL |
| Chromium | 50.0000 | DPM/mL |
| Cobalt | 50.0000 | DPM/mL |
| Copper | 50.0000 | DPM/mL |
| Lead | 50.0000 | DPM/mL |
| Manganese | 50.0000 | DPM/mL |
| Molybdenum | 50.0000 | DPM/mL |
| Nickel | 50.0000 | DPM/mL |
| Selenium | 50.0000 | DPM/mL |
| Strontium | 50.0000 | DPM/mL |
| Thallium | 50.0000 | DPM/mL |
| Tin | 50.0000 | DPM/mL |
| Titanium | 50.0000 | DPM/mL |
| Vanadium | 50.0000 | DPM/mL |
| Zinc | 50.0000 | DPM/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4E0709
**Description:** Spike 2
**Solvent:** 5% HNO3
**Lot Number:** NA
**Comments:**

**Date Prepared:** 05/28/2024
**Date Expires:** 10/11/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 500.0000

**A4E0709 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0707 | 222085113 | 2.5000 |
| A4E0706 | 224045066 | 25.0000 |
| A4E0705 | 223115008 | 1.2500 |
| A3B0556 | 221095060 | 25.0000 |
| A3B0555 | 221085109 | 25.0000 |
| A3B0554 | 221085140 | 25.0000 |
| A3B0553 | 222035160 | 25.0000 |
| A2J0751 | 221095092 | 25.0000 |
| A2J0744 | 221045032 | 2.5000 |
| A2J0716 | 221055148 | 2.5000 |
| A2J0711 | 219015161-01 | 2.5000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Arsenic | 50.0000 | ug/mL |
| Barium | 50.0000 | ug/mL |
| Boron | 50.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 500.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 500.0000 | ug/mL |
| Silicon | 50.0000 | ug/mL |
| Silver | 25.0000 | ug/mL |
| Sodium | 500.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0496
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/26/2024
**Date Expires:** 08/09/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0496 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0504
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** Juan Flores
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0504 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0505
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4G0505 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4F0560 | 2334620-100 | 0.1500 |
| A3J0482 | 2222032-100 | 3.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0521
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0521 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0522 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0522
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0522 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0523 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0523
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0523 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0525 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0524
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0524 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0525 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0525
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0525 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0527 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0526
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4G0526 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0527 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0527
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 07/31/2024
**Date Expires:** 08/13/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4G0527 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0507 | na | 200.0000 |
| A4F0561 | 2413109-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4G0528
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 07/29/2024
**Date Expires:** 08/12/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4G0528 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4G0504 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0394
**Description:** IFA
**Solvent:** A3H0573
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/07/2024
**Date Expires:** 08/21/2024
**Prepared by:** Juan Flores
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0394 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4B0466 | 222015045 | 50.0000 |
| A3K0437 | 223045009 | 50.0000 |
| A3K0436 | 223035063 | 5.0000 |
| A3B0554 | 221085140 | 10.0000 |
| A3A0464 | 2224912-500 | 20.0000 |
| A3A0463 | 2232113S | 50.0000 |

| **Analyte** | **Concentration** | **Units** |
|---|---|---|
| Aluminum | 500.0000 | ug/mL |
| Calcium | 500.0000 | ug/mL |
| Iron | 200.0000 | ug/mL |
| Magnesium | 500.0000 | ug/mL |
| Potassium | 50.0000 | ug/mL |
| Sodium | 100.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0434
**Description:** ICV
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/26/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0434 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4E0709 | NA | 10.0000 |
| A4E0708 | na | 10.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 5.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 5.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 5.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 5.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 5.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 5.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0435
**Description:** IS
**Solvent:** 6%HNO3 3%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/26/2024
**Prepared by:** jack.bui
**Vendor:** N/A
**Final Volume (mL:s):** 1,000.0000

**A4H0435 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4F0560 | 2334620-100 | 0.1500 |
| A3J0482 | 2222032-100 | 3.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Terbium | 1.5000 | ug/mL |
| Yttrium | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0436
**Description:** IFB
**Solvent:** 6%HNO3 5%HCL
**Lot Number:** na
**Comments:**

**Date Prepared:** 08/12/2024
**Date Expires:** 08/21/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 500.0000

**A4H0436 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0394 | na | 490.0000 |
| A4E0709 | NA | 5.0000 |
| A4E0708 | na | 5.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 495.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 495.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 201.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 495.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 54.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.2500 | ug/mL |
| Sodium | 103.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Tin | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0457
**Description:** CAL 7 (5ppm/ minerals 130ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 2,000.0000

**A4H0457 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0443 | na | 200.0000 |
| A4F0561 | 2413109-500 | 100.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 130.0000 | ug/mL |
| Antimony | 5.0000 | ug/mL |
| Arsenic | 5.0000 | ug/mL |
| Barium | 5.0000 | ug/mL |
| Beryllium | 5.0000 | ug/mL |
| Boron | 5.0000 | ug/mL |
| Cadmium | 5.0000 | ug/mL |
| Calcium | 130.0000 | ug/mL |
| Chromium | 5.0000 | ug/mL |
| Cobalt | 5.0000 | ug/mL |
| Copper | 5.0000 | ug/mL |
| Iron | 130.0000 | ug/mL |
| Lead | 5.0000 | ug/mL |
| Magnesium | 130.0000 | ug/mL |
| Manganese | 5.0000 | ug/mL |
| Molybdenum | 5.0000 | ug/mL |
| Nickel | 5.0000 | ug/mL |
| Potassium | 130.0000 | ug/mL |
| Selenium | 5.0000 | ug/mL |
| Silicon | 5.0000 | ug/mL |
| Silver | 5.0000 | ug/mL |
| Sodium | 130.0000 | ug/mL |
| Strontium | 5.0000 | ug/mL |
| Thallium | 5.0000 | ug/mL |
| Titanium | 5.0000 | ug/mL |
| Vanadium | 5.0000 | ug/mL |
| Zinc | 5.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0458
**Description:** CAL 6 (3ppm/minerals 78ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0458 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0457 | NA | 600.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 78.0000 | ug/mL |
| Antimony | 3.0000 | ug/mL |
| Arsenic | 3.0000 | ug/mL |
| Barium | 3.0000 | ug/mL |
| Beryllium | 3.0000 | ug/mL |
| Boron | 3.0000 | ug/mL |
| Cadmium | 3.0000 | ug/mL |
| Calcium | 78.0000 | ug/mL |
| Chromium | 3.0000 | ug/mL |
| Cobalt | 3.0000 | ug/mL |
| Copper | 3.0000 | ug/mL |
| Iron | 78.0000 | ug/mL |
| Lead | 3.0000 | ug/mL |
| Magnesium | 78.0000 | ug/mL |
| Manganese | 3.0000 | ug/mL |
| Molybdenum | 3.0000 | ug/mL |
| Nickel | 3.0000 | ug/mL |
| Potassium | 78.0000 | ug/mL |
| Selenium | 3.0000 | ug/mL |
| Silicon | 3.0000 | ug/mL |
| Silver | 3.0000 | ug/mL |
| Sodium | 78.0000 | ug/mL |
| Strontium | 3.0000 | ug/mL |
| Thallium | 3.0000 | ug/mL |
| Titanium | 3.0000 | ug/mL |
| Vanadium | 3.0000 | ug/mL |
| Zinc | 3.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0459
**Description:** CAL 5 (2ppm/ minerals 52ppm) / CCV
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0459 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0457 | NA | 400.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 52.0000 | ug/mL |
| Antimony | 2.0000 | ug/mL |
| Arsenic | 2.0000 | ug/mL |
| Barium | 2.0000 | ug/mL |
| Beryllium | 2.0000 | ug/mL |
| Boron | 2.0000 | ug/mL |
| Cadmium | 2.0000 | ug/mL |
| Calcium | 52.0000 | ug/mL |
| Chromium | 2.0000 | ug/mL |
| Cobalt | 2.0000 | ug/mL |
| Copper | 2.0000 | ug/mL |
| Iron | 52.0000 | ug/mL |
| Lead | 2.0000 | ug/mL |
| Magnesium | 52.0000 | ug/mL |
| Manganese | 2.0000 | ug/mL |
| Molybdenum | 2.0000 | ug/mL |
| Nickel | 2.0000 | ug/mL |
| Potassium | 52.0000 | ug/mL |
| Selenium | 2.0000 | ug/mL |
| Silicon | 2.0000 | ug/mL |
| Silver | 2.0000 | ug/mL |
| Sodium | 52.0000 | ug/mL |
| Strontium | 2.0000 | ug/mL |
| Thallium | 2.0000 | ug/mL |
| Titanium | 2.0000 | ug/mL |
| Vanadium | 2.0000 | ug/mL |
| Zinc | 2.0000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0460
**Description:** CAL 4 (0.5ppm/ minerals 13ppm)
**Solvent:** 6 % HNO3 + 3% HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0460 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0459 | NA | 250.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 13.0000 | ug/mL |
| Antimony | 0.5000 | ug/mL |
| Arsenic | 0.5000 | ug/mL |
| Barium | 0.5000 | ug/mL |
| Beryllium | 0.5000 | ug/mL |
| Boron | 0.5000 | ug/mL |
| Cadmium | 0.5000 | ug/mL |
| Calcium | 13.0000 | ug/mL |
| Chromium | 0.5000 | ug/mL |
| Cobalt | 0.5000 | ug/mL |
| Copper | 0.5000 | ug/mL |
| Iron | 13.0000 | ug/mL |
| Lead | 0.5000 | ug/mL |
| Magnesium | 13.0000 | ug/mL |
| Manganese | 0.5000 | ug/mL |
| Molybdenum | 0.5000 | ug/mL |
| Nickel | 0.5000 | ug/mL |
| Potassium | 13.0000 | ug/mL |
| Selenium | 0.5000 | ug/mL |
| Silicon | 0.5000 | ug/mL |
| Silver | 0.5000 | ug/mL |
| Sodium | 13.0000 | ug/mL |
| Strontium | 0.5000 | ug/mL |
| Thallium | 0.5000 | ug/mL |
| Titanium | 0.5000 | ug/mL |
| Vanadium | 0.5000 | ug/mL |
| Zinc | 0.5000 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0461
**Description:** CAL 3 (0.08ppm/ minerals 2.08ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0461 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0459 | NA | 40.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 2.0800 | ug/mL |
| Antimony | 0.0800 | ug/mL |
| Arsenic | 0.0800 | ug/mL |
| Barium | 0.0800 | ug/mL |
| Beryllium | 0.0800 | ug/mL |
| Boron | 0.0800 | ug/mL |
| Cadmium | 0.0800 | ug/mL |
| Calcium | 2.0800 | ug/mL |
| Chromium | 0.0800 | ug/mL |
| Cobalt | 0.0800 | ug/mL |
| Copper | 0.0800 | ug/mL |
| Iron | 2.0800 | ug/mL |
| Lead | 0.0800 | ug/mL |
| Magnesium | 2.0800 | ug/mL |
| Manganese | 0.0800 | ug/mL |
| Molybdenum | 0.0800 | ug/mL |
| Nickel | 0.0800 | ug/mL |
| Potassium | 2.0800 | ug/mL |
| Selenium | 0.0800 | ug/mL |
| Silicon | 0.0800 | ug/mL |
| Silver | 0.0800 | ug/mL |
| Sodium | 2.0800 | ug/mL |
| Strontium | 0.0800 | ug/mL |
| Thallium | 0.0800 | ug/mL |
| Titanium | 0.0800 | ug/mL |
| Vanadium | 0.0800 | ug/mL |
| Zinc | 0.0800 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0462
**Description:** CAL 2 (0.04ppm/ minerals 1.04ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0462 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0461 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 1.0400 | ug/mL |
| Antimony | 0.0400 | ug/mL |
| Arsenic | 0.0400 | ug/mL |
| Barium | 0.0400 | ug/mL |
| Beryllium | 0.0400 | ug/mL |
| Boron | 0.0400 | ug/mL |
| Cadmium | 0.0400 | ug/mL |
| Calcium | 1.0400 | ug/mL |
| Chromium | 0.0400 | ug/mL |
| Cobalt | 0.0400 | ug/mL |
| Copper | 0.0400 | ug/mL |
| Iron | 1.0400 | ug/mL |
| Lead | 0.0400 | ug/mL |
| Magnesium | 1.0400 | ug/mL |
| Manganese | 0.0400 | ug/mL |
| Molybdenum | 0.0400 | ug/mL |
| Nickel | 0.0400 | ug/mL |
| Potassium | 1.0400 | ug/mL |
| Selenium | 0.0400 | ug/mL |
| Silicon | 0.0400 | ug/mL |
| Silver | 0.0400 | ug/mL |
| Sodium | 1.0400 | ug/mL |
| Strontium | 0.0400 | ug/mL |
| Thallium | 0.0400 | ug/mL |
| Titanium | 0.0400 | ug/mL |
| Vanadium | 0.0400 | ug/mL |
| Zinc | 0.0400 | ug/mL |

# LABORATORY STANDARD SUMMARY

**Standard ID:** A4H0463
**Description:** CAL 1 (0.02ppm/ minerals 0.52ppm)
**Solvent:** 6 % HNO3 + 3 % HCL
**Lot Number:** NA
**Comments:**

**Date Prepared:** 08/14/2024
**Date Expires:** 08/28/2024
**Prepared by:** jack.bui
**Vendor:** NA
**Final Volume (mL:s):** 1,000.0000

**A4H0463 Prepared from the following standards:**

| *Parent Std ID* | *Lot #* | *Vol (mLs)* |
|---|---|---|
| A4H0462 | NA | 500.0000 |

| Analyte | Concentration | Units |
|---|---|---|
| Aluminum | 0.5200 | ug/mL |
| Antimony | 0.0200 | ug/mL |
| Arsenic | 0.0200 | ug/mL |
| Barium | 0.0200 | ug/mL |
| Beryllium | 0.0200 | ug/mL |
| Boron | 0.0200 | ug/mL |
| Cadmium | 0.0200 | ug/mL |
| Calcium | 0.5200 | ug/mL |
| Chromium | 0.0200 | ug/mL |
| Cobalt | 0.0200 | ug/mL |
| Copper | 0.0200 | ug/mL |
| Iron | 0.5200 | ug/mL |
| Lead | 0.0200 | ug/mL |
| Magnesium | 0.5200 | ug/mL |
| Manganese | 0.0200 | ug/mL |
| Molybdenum | 0.0200 | ug/mL |
| Nickel | 0.0200 | ug/mL |
| Potassium | 0.5200 | ug/mL |
| Selenium | 0.0200 | ug/mL |
| Silicon | 0.0200 | ug/mL |
| Silver | 0.0200 | ug/mL |
| Sodium | 0.5200 | ug/mL |
| Strontium | 0.0200 | ug/mL |
| Thallium | 0.0200 | ug/mL |
| Titanium | 0.0200 | ug/mL |
| Vanadium | 0.0200 | ug/mL |
| Zinc | 0.0200 | ug/mL |